

CAPE ASTROGRAPHIC ZONES.

VOL. VII.

CATALOGUE OF RECTANGULAR CO-ORDINATES AND DIAMETERS OF STAR-IMAGES

DERIVED FROM PHOTOGRAPHS TAKEN AT
THE ROYAL OBSERVATORY, CAPE OF GOOD HOPE.

COMMENCED UNDER THE DIRECTION OF
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INTRODUCTION

TO

VOL. VII.

§ I.—GENERAL.

A general description of the work pertaining to the Cape zones of the "Carte du Ciel" Catalogue is contained in the Introduction to Vol. I. of this series.

The present volume contains the results of measures derived from plates having their centres on the declination circle -47° , which have been treated in all respects in a similar manner to those dealt with in the previous volumes.

For fuller detail, reference may be made to this general description, only such parts being repeated here as require modification for each particular zone, or which are considered essential in explanation of the contents of the volume.

§ II.—INSTRUMENTAL ADJUSTMENTS, Etc.

(a) THE PHOTOGRAPHIC TELESCOPE.

A description of the photographic refractor is given at p. 120 of the *History and Description of the Cape Observatory*, and it will be sufficient here to state the following details:—

The equatorial mounting is of the German type, carrying two parallel telescopes securely braced together by rigid cast-iron flanges near their ends.

The main photographic telescope is of 13 inches aperture and $11\frac{1}{2}$ feet focal length, giving pictures very approximately on a scale of 1' of arc to a millimetre.

The breech piece of the telescope carries the plate holder mounted in such a manner that the latter can be easily removed and quickly replaced so as to return accurately to the same position. The photographic plate in its turn is held in this holder with spring pressure against six bearing points, three of which serve to define its plane, and the remaining three its position and orientation in that plane.

A second plate carrier, with bearing points in exactly similar positions in relation to the plate, is used for impressing on the plate the réseau used for purposes of measurement. Thus the intersection of the central réseau lines should define a point which is "fixed" in relation to the breech end of the telescope.

By removing the plate carrier and replacing it by a small aperture coinciding with this fixed position, the object glass, as a whole, was centred on this small aperture in the usual manner.

To adjust the plate perpendicular to the optical axis, the plate was replaced in its carrier by a plane mirror on which this centre was duly marked by removal of a small circular patch of the silvering. A small glow lamp was placed in a central position outside the object glass and its reflected image in this mirror viewed through the objective. The tilt of the mirror was then regulated by the available adjusting screws until the lamp, its image, and the centre mark on the mirror were in alignment.

The mounting of the breech end permits of a small rotation of the plate holder, by which the central réseau lines may be accurately adjusted respectively along, and perpendicular to, an hour circle. This adjustment can be tested by allowing a star image to trail across the sensitive plate with the driving clock stopped and measuring the distance of the impressed trail from an adjacent réseau line at two points symmetrically situated near opposite edges of the plate.

These adjustments, when once made, were found to possess all necessary stability, and have been occasionally verified when it has been necessary to dismount the object glass for cleaning, or otherwise displace any of the essential working parts.

The focal adjustment was selected so as to give the sharpest definition for stars at about 40 mm. distance from the centre of the plate, and was found to remain sufficiently permanent. The readings of the focussing scale (divided in millimetres) have, however, been slightly varied from time to time as follows :—

								mm.
1897	November	4.	Focus set at	...	...	...	...	21·5
1898	September	26.	" altered to	...	...	...	...	21·0
1899	November	7.	" "	...	...	...	...	22·0
1902	February	14.	" "	...	...	...	...	21·0
1905	June	23.	" "	...	...	...	...	21·5
1906	September	5.	" set at	...	...	...	...	22·0
1910	February	3.	" altered to	...	...	...	...	21·5

(b) THE GUIDING TELESCOPE.

The second or guiding telescope is of 10 inches aperture and the same focal length as the photographic telescope. Its breech end carries an eye-piece mounted on two slides at right angles to the axis of the telescope and to one another, so as

to extend the field of view accessible at any one setting of the instrument. These slides are adjusted respectively parallel, and perpendicular to, an hour circle. The centre of the field of view of the eye-piece is defined by cross spider webs mounted on a frame which travels with the eye-piece, while its position in relation to the field of the objective is ascertained by means of two verniers travelling with the eye-piece and reading against fixed scales divided in millimetres.

The readings on these scales, which correspond with the centre of the field of the telescope, are found to be subject to slight fluctuations though stationary over short intervals. They are accordingly ascertained from time to time by direct experiment. The scales are set to a reading at or near the estimated centre and the guiding telescope is then directed to a bright star, which is placed accurately at the intersection of the cross webs by means of the equatorial movements of the whole apparatus. A plate is then exposed in the photographic telescope and impressed with a réseau in the usual manner. If the scale readings have been correctly selected the image of the star should appear at the intersection of the central réseau lines. Its displacements from this position measured in millimetres in two directions at right angles, corresponding with the directions of the two eye-piece slides, determine the amounts by which the estimated readings require to be corrected.

In photographing any field, a suitable star within the field and not too far from the centre is selected, and its rectangular co-ordinates in millimetres in relation to the desired centre on an ideally adjusted plate are computed. The eye-piece is then displaced from its central position by amounts, measured on the eye-piece scales, which correspond with these rectangular co-ordinates, and previous to exposure of the plate the guiding telescope is directed so as to place the image of the guiding star in coincidence with the intersection of the cross webs.

This coincidence is maintained during exposure either by the clock movement or, if necessary, by slight hand corrections by means of a slow motion screw in declination and a differential gearing operating in the clock movement in right ascension.

(c) THE RÉSEAU.

The réseau consists of a sheet of silvered plate glass, of the same surface dimensions as the plates in use, on which two series of fine equi-spaced parallel lines have been engraved in a dividing engine, so as to remove the silvering along these lines. The two series of lines are respectively at right angles, and the lines of each series are spaced at intervals of 5 mm.

A photographic copy of the réseau is impressed on each plate by placing the plate in a special carrier, so that its sensitive surface is almost in contact with that

of the silvered surface of the réseau. The light from a small electric lamp, after being rendered parallel by passage through an object glass of 9 inches aperture, is then made to fall on the réseau and through the ruled apertures on to the sensitive film below.

The practice has been throughout to imprint the réseau either immediately before or immediately after exposing the plate in the main telescope.

In connection with the present programme, four different réseaux have been used, viz. :—

Gautier No. 51	from 1897 December 7 to 1899 July 11.
" " ? "	1899 July 12 to 1901 October 30.
" " 61 "	1901 October 31 to 1902 June 11.
" " 50 "	1902 June 12 till completion of work.

These réseaux are referred to hereafter as G 51, Gx, G 61, G 50, the distinguishing number originally engraved on the second of them having been obliterated before use.

The division errors of the scales of these réseaux have not been subjected to direct investigation. A careful investigation of the réseau G 8*, which is similarly ruled by the same maker and probably in the same dividing engine, indicated that a very high degree of precision could be expected in the ruling, while the indirect tests furnished by the agreement of the results derived from different plates which overlap in a complex manner have confirmed this sufficiently satisfactory result.

(d) THE PLATES.

Except during the interval 1903 July 8 to 1904 July 20, the plates in use have been the "Ilford Special Rapid" with three exposures of durations 6 m., 3 m., and 20 secs., the guiding telescope being displaced by 1 mm. to the North between exposures. Between the dates above mentioned "Ilford Monarch" plates were used and the exposures reduced by one-half. A return was, however, made to the Special Rapid plates on account of their finer grain.

The developer employed was Eikonogen-Hydroquinone previous to May 1901, and subsequently Amidol.

(e) THE MEASURING APPARATUS.

The apparatus in use for measuring the plates has been described in detail in *Monthly Notices*, vol. lix., pp. 61-72. Two such instruments, distinguished hereafter as Micrometer I. and Micrometer II., have been employed.

The pairs of close webs which form the outer square are mounted on fixed frames, and the two further sets of close parallel webs on sliding frames, whose

* Gill and Jacoby, *Acta Societatis Scientiarum Fennicae*, xxiii, No. 5.

positions are governed by two micrometer screws, permitting motion of these sets of webs bodily in a direction perpendicular to their length.

The reticule admits of adjustments to ensure—

- (1) that the opposite sides of the outer square shall be rendered strictly parallel and at a distance apart corresponding to the space traversed by either set of moving webs in 10 revolutions of the micrometer screw;
- (2) that the adjacent sides of the square shall be strictly perpendicular;
- (3) that the moving webs shall be strictly parallel to the corresponding sides of the square;
- (4) that the zero reading of the screws shall correspond exactly with 0 rev. or 10 rev. when the moving webs are brought into symmetrical coincidence with one or other of the sides of the fixed square.

The photographic plate is mounted on a stage beneath the microscope, which is carried on two slides at right angles to one another, so that any portion of the plate may be brought within the field of view of the microscope.

By sliding the microscope bodily in the direction of its axis, the focus may be adjusted so that the image of the plate is in the same plane as the reticule, and, by a similar motion of the objective alone, the scale of the image may be adjusted so that the distance between adjacent réseau lines corresponds with the length of the side of the outer square.

Further, the plate may be rotated in its carriage and the microscope rotated about its axis until both the réseau lines and the webs are parallel to the slides on which the plate carrier is mounted.

Thus a square of the réseau may be adjusted to coincidence with the outer square of fixed webs, while the two sets of moving webs are made to intersect symmetrically on a star image.

The readings of the micrometer screws then represent the rectangular co-ordinates of this star image expressed in screw revolutions, or tenths of a réseau interval, as unit, and referred to the sides of the fixed square which correspond with the readings 0 rev. as axes.

Except when the instruments have been dismantled for cleaning, their adjustments have remained remarkably steady and, with the exception of an occasional adjustment of the zero reading of the micrometer screws, when once made they could in general be left for months on end without further attention.

The change in zero reading, necessitating constant readjustment, was particularly noticeable in relation to the vertical screw of Micrometer II. about the middle of the year 1907. The slightly rounded conical point of the screw bears

with spring pressure against an agate plane. The tracing of a similar defect in another micrometer of like construction led to an examination of this end bearing in October 1907, when it was found that the jewel was split and that the sharp edges of the crack were exerting a grinding action on the point of the screw, giving rise to rapid wear. The end bearing was replaced temporarily by a hard steel disc and later, in July 1908, the jewel was renewed.

(f) ERRORS OF THE MICROMETER SCREWS.

An investigation of the errors of the micrometer screws is contained in Vol. I. It is there shown that, though the errors due to wear are considerable, their resultant effect on the mean of readings made in opposite orientations of the plate is negligible. Accordingly no corrections on this account have been applied to the observations.

§ III.—THE MEASUREMENT OF THE PLATES.

The plates before being passed for measurement were examined to ensure—

- (1) that the photographic images were sufficiently sharp and round.
Plates with markedly diffuse images, due to unfavourable atmospheric conditions, or with elongated images due to faulty guiding, were rejected;
- (2) that the region had been correctly identified. This was effected by a comparison of a few of the brighter stars with positions as catalogued in the C.P.D.;
- (3) that the guiding star appeared in its correct position with an error not exceeding $0' \cdot 5$ in either co-ordinate;
- (4) that the réseau had been duly impressed with suitable intensity;
- (5) that there was a sufficiency of stars shown on the plate. As a rough test C.P.D. stars of mag. 9.0 should be shown by the third or 20 sec. exposure. In the revised series of plates the sufficiency of exposure was, however, frequently gauged by a comparison with the earlier series, taken on the same area, referred either to the same or to an adjacent centre;
- (6) that there were no other defects either of film or treatment, etc., which called for repetition of the plate.

The next operation was to mark with an ink mark on the back of the plate the stars which had been selected as standards. These stars were selected from the original series of plates and were designed to give an average of about ten stars

on each plate, distributed as uniformly as possible over the area of the plate, and of such magnitude as to give well-defined sharp images on the plates, while at the same time they should be not too faint for accurate observation with the meridian circle. The selected stars are those contained in the *Cape Catalogue of 8560 Astrographic Standard Stars for the Equinox 1900*.

The plate was then placed in the measuring machine, first with the edge marked "A" on the réseau at the top, or in a position corresponding with the "black scales." This implies that the numbering of the lines of the réseau square brought into the field of view could be read off by means of the black figures engraved on the indicating scales. The small indices reading against these scales admit of slight adjustment to adapt them to the particular setting of the plate, and the only further adjustment usually necessary is that for the orientation of the plate, in order to render the réseau lines strictly parallel to the slides on which the plate carrier moves, and to the fixed spider webs in the field of the microscope.

Two observers now take part in the work, one handling the instrument and the other acting as recorder, the observers alternately relieving one another.

The observer at the instrument starts with the row of squares contained between the lines numbered 55, 54 and sweeps these under the microscope in order, proceeding in the direction from 2 to 26 in the horizontal scale. When a square is reached containing images of one or more stars, this square is brought into exact coincidence or symmetry with the square of "fixed" webs contained in the field of view of the measuring microscope by means of the coarse motions governing the motion of the plate, and subsequently by means of the fine motions operating on the micrometer box. As a rule only the images resulting from the longest exposure (6^m) were measured. Exception was made in cases where this image was disfigured by a flaw on the plate or otherwise; in this case the second image was measured, and a reduction derived from comparison with neighbouring stars applied to reduce to the first-image system.

After adjusting the square the observer at the instrument reads off the numbers of the réseau lines of the square pointed on, e.g.,

54-55. 7-8,

and these are duly entered on a form by the recorder.

The observer then points the movable webs in turn on the image of each star contained within the square, proceeding in order from left to right in the field of view.

After each setting, the two micrometers are read by the observer, and an estimate of the diameter of the star-image is made. For the brighter stars this estimate is expressed in terms of the space between the close sets of parallel webs

contained in the micrometer as unit, and this forms a convenient means of discriminating the stars' magnitudes, but the method is not equally satisfactory for the fainter stars. Below a certain degree of brightness which yields a diameter corresponding with about $\cdot 6$ of the unit involved, all stars give images of sensibly equal dimensions, but showing marked contrast in the degree of intensity. For such stars an estimate of the intensity of the image is recorded instead of a measurement of the diameter. Five different degrees of density have been recognised, and these have been indicated by the numbers — 1, — 2, — 3, — 4, — 5. — 1 indicates that the star image only just fails to attain the full density of the images of the brighter stars on the plate, and — 5 refers to the faintest stars whose second images are distinctly visible.

The readings of the micrometers and the diameter are read out by the observer and duly entered by the recorder. Whenever a "standard" star is reached the observer and recorder temporarily change places, and measurements are made by both of them.

On completion of the row 54–55, the observer proceeds in like manner to sweep along the row 53–54 in similar order, viz., from 2 to 26 on the horizontal scale.

The same series of operations is continued until the whole plate has been covered, the two observers, however, changing places occasionally, but always, except temporarily for the standard stars, on the completion of a row.

The plate is then reversed in its carrier through 180° in orientation, *i.e.* set up in a convenient position for "red scale" readings. This implies that the numberings attached to the réseau lines now correspond with the red instead of the black figures on the indicating scales, and a new adjustment of the pointers and of the orientation of the plate is necessary.

The whole process of measurement is then repeated in the same order as before, but, of course, with reversed directions of motion, each observer measuring the same star images as before in the reversed position. The results of this second measurement are entered in convenient spaces in the recording form adjacent to those derived from the previous measurement.

It is evident that, since the sides of the squares are set to correspond with 0 rev. and 10 rev. of the micrometer screws, the sum of the readings taken in the two positions of the plate should, apart from errors of measurement, amount to exactly 10 revs. Whenever this sum in the first instance differed from 10 revs. by more than $0\text{r}.020$ ($=0''\cdot 6$) the measures have been subjected to further examination, and, if no fault was immediately traceable, they have been discarded and the measures both in the "black scale" and the "red scale" positions repeated.

§ IV.—PRELIMINARY REDUCTION OF RECTANGULAR CO-ORDINATES.

The rectangular co-ordinates of each star image, referred to the central réseau lines as axes, may now be derived by a combination of the réseau readings with the micrometer equivalents, each being expressed in similar units. The unit at first adopted is the millimetre on the plate.

Denoting by R_1, R'_1 , the micrometer readings, expressed in screw revolutions, for the two co-ordinates of a star at its first measurement and by R_2, R'_2 similar readings at the second measurement in the opposite orientation, we have

$$R_1 + R_2 = 10^{\text{rev}} - \theta \quad R'_1 + R'_2 = 10^{\text{rev}} - \theta'$$

where θ, θ' are small quantities not exceeding $0^r\cdot020$. If we refer the second measurements to the same origin as the first by subtracting each from 10 rev., we obtain as the equivalents of the readings R_1, R'_1 resulting from the second set of measures,

$$10^r - R_2 = R_1 + \theta \text{ and } 10^r - R'_2 = R'_1 + \theta'$$

whence, from the mean of the two measures, we derive as the rectangular co-ordinates of the star-image referred to the corner of the réseau square as origin and the revolution of the screws as unit

$$-(R_1 + \frac{1}{2}\theta), \quad R'_1 + \frac{1}{2}\theta'$$

the sign of the former being reversed to correspond with the direction of increasing R.A.

We may convert these measures into millimetres by dividing by 2 since one revolution of the screw corresponds with half a millimetre on the plate. Further, adding the réseau equivalents, I, I' , i.e. the rectangular co-ordinates in millimetres of the origin in the réseau square in relation to the origin at the intersection of the central réseau lines, we obtain the co-ordinates of the star images in millimetres by the formulae

$$I - \frac{1}{2}(R_1 + \frac{1}{2}\theta), \quad I' + \frac{1}{2}(R'_1 + \frac{1}{2}\theta')$$

or the equivalent formulae, which have been used for control,

$$I - 5 + \frac{1}{2}(R_2 + \frac{1}{2}\theta), \quad I' + 5 - \frac{1}{2}(R'_2 + \frac{1}{2}\theta')$$

where I, I' are given by the following table of réseau equivalents :—

Réseau Equivalents for Vertical Scale (I).

Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.
31-32	+60	37-38	+30	43-44	0	49-50	-30
32-33	+55	38-39	+25	44-45	-5	50-51	-35
33-34	+50	39-40	+20	45-46	-10	51-52	-40
34-35	+45	40-41	+15	46-47	-15	52-53	-45
35-36	+40	41-42	+10	47-48	-20	53-54	-50
36-37	+35	42-43	+5	48-49	-25	54-55	-55

Réseau Equivalents for Horizontal Scale (I').

Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.
2-3	+55	8-9	+25	14-15	-5	20-21	-35
3-4	+50	9-10	+20	15-16	-10	21-22	-40
4-5	+45	10-11	+15	16-17	-15	22-23	-45
5-6	+40	11-12	+10	17-18	-20	23-24	-50
6-7	+35	12-13	+5	18-19	-25	24-25	-55
7-8	+30	13-14	0	19-20	-30	25-26	-60

Finally, it is necessary to express the co-ordinates in units which correspond more accurately with a minute of arc at the centre of the plate. A preliminary determination of the scale equivalent of the plates, depending on the focal length of the telescope, showed that one millimetre on the plate is less than a minute of arc by one part in 300. The rectangular co-ordinates derived as above have therefore all been diminished by $\frac{1}{300}$ th part of themselves, and the final formulæ for the rectangular co-ordinates derived from the measurement are

$$x = I - \frac{1}{2}(R_1 + \frac{1}{2}\theta) - \frac{1}{300}[I - \frac{1}{2}(R_1 + \frac{1}{2}\theta)]$$

$$y = I + \frac{1}{2}(R'_1 + \frac{1}{2}\theta') - \frac{1}{300}[I' + \frac{1}{2}(R'_1 + \frac{1}{2}\theta')]$$

A specimen of the computation form used is appended.

Measures of Co-ordinates—Catalogue Plates.

Plate 7566.

Date, 1903 September 1.

Réseau G. 50.

Measurers, NM, C.

$\delta_0 = 47^\circ$.		Vertical.				Horizontal.				a_0	0h 5m.
No.	Diameter.	Black.	Line.	Sum.	Plate	Black.	Line.	Sum.	Plate	C.P.D. No.	
Notes.		10-Sum.	Equivalent.	Sum $\div 300$.	Corrections.	10-Sum.	Equivalent.	Sum $\div 300$.	Corrections.	C.P.D. Mag.	
		Red.	$\frac{1}{2}$ Mean.	x.	x.	Red.	$\frac{1}{2}$ Mean.	y.	y.	Mean. Diam.	
1	2	3	4	5	6	7	8	9	10	11	
6	1·1	2·590	54, 55	-56·293	- 152	9·360	11, 12	+14·680	- 45	46°10'621	
*	1·1	- 10	-55·	.188	- 2	- 2	+10·	.049	+ 10	9·8	
		7·420	- 1·293	-56·105	-56·259	0·642	+ 4·680	+14·631	+14·596	1·10	
153	1·1	5·710	31, 32	+57·145	- 72	2·276	23, 24	-48·865	- 37	47°16	
*	1·1	- 0	+60·	.190	+ 5	- 12	-50·	.163	- 34	10·2	
		4·290	- 2·855	+56·955	+56·888	7·736	+ 1·135	-48·702	-48·773	1·10	

In the first column are entered any notes made by the observer, usually by means of convenient symbols, and space is left for the entry of a rotation number following the order of the x co-ordinate throughout the plate.

Column 2 contains the measures of the diameters or estimates of density of images as the case may be.

The micrometer readings R_1 , R_2 are entered in the third column under the precepts "Black," "Red," and the quantity θ is inserted between them.

In the fourth column are entered the numbers of the réseau lines corresponding with the vertical or right ascension co-ordinate of the star image, and beneath them the equivalent of these readings in millimetres. Beneath this again is entered the quantity $-\frac{1}{2}(R_1+\frac{1}{2}\theta)$ derived from the two first entries in column 3.

The fifth column contains the sum of the last two entries in the preceding column taken algebraically, viz. the quantity $I - \frac{1}{2}(R_1+\frac{1}{2}\theta)$, and beneath it the quotient obtained by dividing it by 300. The numerical difference of these two quantities gives the co-ordinate x which is then inserted beneath them.

Columns 7, 8, 9, for the computation of the co-ordinate y , correspond exactly with columns 3, 4, 5. Columns 6 and 10 serve for the application of "plate constant" corrections derived in a manner to be hereafter explained.

The final column gives the number and magnitude of the star as identified in the C.P.D. and the mean diameter derived from the entries in column 2.

§ V.—CORRECTIONS FOR REFRACTION AND ABERRATION.

The corrections for differential refraction, as affecting the rectangular co-ordinates of star images on photographic plates, have been very fully developed by Kapteyn (*Bulletin du Comité Permanent*, t. iii. p. 71).

The significant terms may be expressed as follows:—

$$\begin{aligned} \Delta x &= ax + by, \\ \Delta y &= Ax + By, \end{aligned}$$

where, with sufficient accuracy,

$$\begin{aligned} a &= k' \sec^2 q, \\ b &= k' \tan q (\tan p - \tan \delta), \\ A &= k' \tan q (\tan p + \tan \delta), \\ B &= k' \sec^2 p, \end{aligned}$$

p , q being defined by the equations

$$\begin{aligned} \tan p &= \tan \zeta \cos \omega, \\ \tan q &= \tan \zeta \sin \omega, \end{aligned}$$

where ζ , ω , δ denote respectively the zenith distance, parallactic angle and declination of the centre of the plate and k' is the constant of refraction, dependent on the readings of the barometer and thermometer.

It is convenient to divide each of these expressions for Δx , Δy into three parts as follows :—

$$\begin{aligned}\Delta x &= [Bx] + [by] + [(a-B)x] \\ \Delta y &= [By] - [bx] + [(A+b)x]\end{aligned}$$

Now the terms $[Bx]$, $[By]$ in Δx , Δy are evidently equivalent in effect to a variation of the scale equivalent of the réseau, while the second terms $[by]$, $[bx]$ are equivalent to a small change in the orientation of the axes of reference.

Hence we may ignore these terms provided we derive the instantaneous scale equivalent of the réseau and its orientation from the internal evidence afforded by the measures of star images independently for each plate.

The corrections expressed by the remaining terms are, however, of a different character and indicate a distortion of the field of view as represented on the plate.

Hence if we put

$$\begin{aligned}\alpha &= a - B = k' (\sec^2 q - \sec^2 p) = -k' \tan^2 \zeta \cos 2\omega \\ \beta &= A + b = 2k' \tan p \tan q = k' \tan^2 \zeta \sin 2\omega\end{aligned}$$

the distortional parts of the refraction, which need alone concern us, are given by

$$\Delta x = \alpha x, \quad \Delta y = \beta x.$$

Since α , β both contain $\tan^2 \zeta$ as a factor, and all the plates have been taken at small zenith distances, these corrections will always be small. They have been computed with a mean value of k' corresponding to average atmospheric conditions, as functions of the declination and hour angle of the plate centre at the middle of exposure. Within the limits of accuracy sought their variations, even for extreme atmospheric conditions, are quite insensible. The values used for plates with centres on the declination circle — 47° are contained in the following table.

Refraction Table. ($\delta = -47^\circ$).

Hour Angle of Plate Centre. h m		
	α	β
0 0	— .000016	.000000
0 20	— .000013	+ .000010
0 40	— .000008	+ .000019
1 0	+ .000002	+ .000028
1 20	+ .000014	+ .000035
1 40	+ .000031	+ .000040
2 0	+ .000053	+ .000042

The signs quoted are those appropriate for western hour-angles. For eastern hour-angles the sign of β must be reversed.

The expressions given by Kapteyn for the differential effects of aberration show that the principal parts of the aberration are equivalent in effect to a small variation

in the scale and orientation of the plate. The outstanding effects are of the second order in relation to the co-ordinates, and will be quite insensible for plates of the dimensions used. Thus the corrections due to aberration may be regarded as absorbed in those due to the scale and orientation of the plate.

§ VI.—COMPUTATION OF TABULAR CO-ORDINATES OF THE STANDARD STARS.

The tabular positions of the comparison stars used for the standardisation of the plates are contained in the *Cape Catalogue of 8560 Astrographic Standard Stars*, derived from meridian observations made with the transit circle during the years 1896–1899 inclusive.

For convenience in computation the star places were all referred to the epoch 1900·0 by means of the catalogue proper motions, zero values, however, being assigned to these proper motions where no determination was included in the catalogue.

The rectangular co-ordinates, together with their annual variations on account of proper motion, referred to ideal plate centres, were then computed by means of the formulae given by Jacoby,* retaining terms as far as the third order. To facilitate this computation, auxiliary tables were prepared for each zone of plate centres. The tables used for zone — 47° are given on p. xviii.

The tables have been derived from a slight modification of Jacoby's formulae, involving the declination of the star (δ) instead of that of the plate centre.

In Jacoby's notation the quantities contained in the tables represent the terms

Table A	...	...	$(\frac{1}{2}\Delta\alpha\Delta\delta^2 \sin^2\gamma'' + A'\Delta\alpha^3) \cos\delta,$
Table B	...	...	$D'_1\Delta\alpha^2,$
Table C	...	...	$D'_2\Delta\alpha^2\Delta\delta + D'_3\Delta\delta^3;$

whence, $\Delta\alpha$, $\Delta\delta$, which denote the differences of the R.A. and declination of the star from those of the plate centre, being expressed in minutes of arc

$$\begin{aligned} x &= \Delta\alpha \cos\delta + \text{Table A}, \\ y &= \Delta\delta - \text{Table B} + \text{Table C}. \end{aligned}$$

Table A takes the sign of $\Delta\alpha$; Table C that of $\Delta\delta$.

The arguments involved in these tables will be apparent with the exception of the vertical argument in Table C. The argument here used and denoted by "B correction" is the quantity derived in the previous entry from Table B. The term $\Delta\alpha \cos\delta$ in x was computed with five figure logarithms.

* *Bulletin du Comité International Permanent*, t. iii, p. 3.

Table A. Unit 0'·001.

$\Delta\delta.$	0'	10'	20'	30'	40'	50'	60'	$\Delta\delta.$
$\Delta\alpha \cos \delta.$								$\Delta\alpha \cos \delta.$
0'	0	0	0	0	0	0	0	0'
10	0	0	0	0	1	1	2	10
20	0	0	0	1	2	2	3	20
30	0	0	0	1	3	4	5	30
40	1	1	1	2	4	5	7	40
50	2	2	2	3	5	7	9	50
60	2	2	3	5	7	9	11	60

Table B.

$\Delta\alpha.$	0'	1'	2'	3'	4'	5'	6'	7'	8'	9'	$\Delta\alpha.$
0	.000	.000	.000	.001	.001	.002	.003	.004	.005	.006	0
10	.007	.009	.010	.012	.014	.016	.019	.021	.023	.026	10
20	.029	.032	.035	.038	.042	.045	.049	.053	.057	.061	20
30	.065	.070	.074	.079	.084	.089	.094	.099	.105	.110	30
40	.116	.122	.128	.134	.140	.147	.153	.160	.167	.174	40
50	.181	.189	.196	.204	.211	.219	.227	.236	.244	.252	50
60	.261	.270	.279	.288	.297	.306	.316	.326	.335	.345	60
70	.355	.365	.376	.386	.397	.408	.419	.430	.441	.452	70
80	.464	.476	.487	.500	.512	.524	.536	.549	.561	.574	80

TABLE C. Unit 0'·001.

$\Delta\delta.$	0'	10'	20'	30'	40'	50'	60'	$\Delta\delta.$
B. Corr.								B. Corr.
.00	0	0	0	1	2	3	6	.00
.10	0	0	0	1	1	3	6	.10
.20	0	0	0	0	1	3	5	.20
.30	0	0	0	0	1	3	5	.30
.40	0	0	0	0	1	3	5	.40
.50	0	0	0	0	1	2	5	.50
.60	0	0	0	0	1	2	4	.60

With all necessary precision for zones so remote from the pole, the annual variations of x and y are expressed in minutes of arc as follows—

$$\mu_x = \frac{1}{4} \mu_a \cos \delta, \quad \mu_y = \frac{1}{60} \mu_\delta,$$

where μ_a , μ_δ are the annual proper motions as contained in the catalogue, expressed in seconds of time and arc respectively.

§ VII.—DETERMINATION OF PLATE-CONSTANTS.

After applying to the co-ordinates, as measured on the plates, corrections on account of the distortional effects of differential refraction, it is necessary further to correct the measures on account of the imperfections in centring and orientation of the réseau and variations in the scale. For this purpose, it is necessary to introduce for each plate four additional constants, a , b , S , P , the corrections being expressible by means of the formulae—

$$\begin{aligned}\Delta x &= a + Sx - Py, \\ \Delta y &= b + Px + Sy.\end{aligned}$$

The quantities a , b here denote the corrections for errors in centring, S denotes a scale correction, and P an orientation correction, the two latter including parts due to the effects of differential refraction and aberration not otherwise allowed for.

The measured co-ordinates, after application of all the corrections, take the form

$$\begin{aligned}x + a + (S + \alpha)x - Py \\ y + b + (P + \beta)x + Sy.\end{aligned}$$

The quantities a , b , S , P have now to be determined by a comparison of the measures with the computed co-ordinates of the standard stars derived from the meridian observations. Denoting as above the uncorrected photographic co-ordinates by x , y , and the corresponding co-ordinates derived from meridian observations for the epoch 1900 by x_m , y_m , the true co-ordinates at the epoch $(1900 + t)$ of the plate, apart from accidental errors of measurement, may be expressed in either of the forms

$$x + a + (S + \alpha)x - Py, y + b + (P + \beta)x + Sy$$

or

$$x_m + \mu_x t, y_m + \mu_y t.$$

Equating the corresponding expressions and writing for brevity

$$\begin{aligned}x_m - x + \mu_x t - \alpha x = m, \\ y_m - y + \mu_y t - \beta x = n,\end{aligned}$$

each standard star will yield a pair of equations of condition of the form

$$\begin{aligned}a + Sx - Py = m, \\ b + Px + Sy = n.\end{aligned}$$

The values of a , b , S , P for each plate have been derived by combining the series of the equations derived from all the standard stars on the plate by the method of least squares, giving each of the equations equal weight.

The least square solution may be somewhat simplified as follows :—

Denote by X , Y the co-ordinates of the centre of gravity of the standard stars on the plate so that $X = \frac{1}{v} \Sigma x$, $Y = \frac{1}{v} \Sigma y$, Σ denoting summation with respect to all the standards, and v denoting their number.

Then if we put

$$\begin{aligned}x-X &= \xi, & y-Y &= \eta, \\A = a + SX - PY, & B = b + PX + SY,\end{aligned}$$

so that

$$\Sigma \xi = 0, \quad \Sigma \eta = 0,$$

the equations of condition take the form

$$\begin{aligned}A + S\xi - P\eta &= m \\B + P\xi + S\eta &= n.\end{aligned}$$

In virtue of the conditions $\Sigma \xi = 0$, $\Sigma \eta = 0$, the normal equations formed from the combination of these equations take the simple forms

$$\begin{aligned}\nu A &= \Sigma m, \\ \nu B &= \Sigma n, \\ \Sigma(\xi^2 + \eta^2)S &= \Sigma(m\xi + n\eta), \\ \Sigma(\xi^2 + \eta^2)P &= \Sigma(n\xi - m\eta).\end{aligned}$$

The two latter give the values of S and P , each with weight

$$\Sigma(\xi^2 + \eta^2),$$

and the two former A and B , each with weight ν .

a , b are then derived from the formulae

$$\begin{aligned}a &= A - SX + PY, \\b &= B - PX - SY.\end{aligned}$$

As an illustration take the case of a plate exposed on 1902 April 25 on the region whose centre is at $14^{\text{h}} 15^{\text{m}}$ R.A. on the declination circle -47° . The sidereal time at the middle of the exposure was $14^{\text{h}} 0^{\text{m}}$.

From these data the refraction constants are derived as follows :—

$$\alpha = -0.000014, \quad \beta = -0.000008.$$

The plate contains 10 standard stars, the measured co-ordinates of which together with the computed corrections for the distortional parts of the refraction are :—

Catalogue No. of Star.	x	y.	$\alpha x.$	$\beta x.$
5152	-43.865	+33.068	+0.001	...
5153	-40.166	-2.182	+0.001	...
5162	-30.285	+6.780	...	...
5178	+3.170	-36.572	...	...
5180	+8.207	+19.631	...	...
5182	+11.363	-51.545	...	...
5183	+15.057	-8.929	...	...
5185	+16.772	+47.604	...	...
5205	+43.424	-55.837	-0.001	...
5213	+57.124	+8.824	-0.001	...
	$X = +4.081$	$Y = -3.916$		

The co-ordinates computed from the meridian observations, together with their reductions on account of proper motion to the epoch of the photographic exposure, are :—

Catalogue No. of Star.	x_m .	y_m .	$\mu_x t.$	$\mu_y t.$
5152	-44.109	+32.936	-0.002	+0.003
5153	-40.420	-2.348	...	...
5162	-30.520	+6.617	-0.002	-0.002
5178	+2.924	-36.788	-0.002	-0.004
5180	+7.985	+19.460	-0.001	0.000
5182	+11.124	-51.784	-0.002	-0.001
5183	+14.841	-9.122	...	...
5185	+16.584	+47.443	-0.003	-0.001
5205	+43.185	-56.058	...	...
5213	+56.929	+8.620	...	...

From these data we derive the co-efficients and absolute terms of the equations of condition :—

Catalogue No. of Star.	Co-efficients.		m .	n .
	ξ	η		
5152	-48	+37	-0.247	-0.129
5153	-44	+2	-0.255	-0.166
5162	-34	+11	-0.237	-0.165
5178	-1	-33	-0.248	-0.220
5180	+4	+24	-0.223	-0.171
5182	+7	-48	-0.241	-0.240
5183	+11	-5	-0.216	-0.193
5185	+13	+52	-0.191	-0.162
5205	+39	-52	-0.238	-0.221
5213	+53	+13	-0.194	-0.204
		$A = -0.229$		$B = -0.187$

whence

$$\begin{aligned}\Sigma(\xi^2 + \eta^2) &= 21147, \\ \Sigma(m\xi + n\eta) &= +13.517, \\ \Sigma(n\xi - m\eta) &= -9.844,\end{aligned}$$

and therefore

$$\begin{aligned}A &= -0.229, B = -0.187, S = +0.000639, P = -0.000466, \\ a &= A - SX + PY = -0.230, b = B - PX - SY = -0.183, \\ S + \alpha &= +0.000625, P + \beta = -0.000474.\end{aligned}$$

Applying the corrections $a + (S + \alpha)x - Py$ and $b + (P + \beta)x + Sy$ to the measured co-ordinates we find the final values of the photographic co-ordinates as follows :—

Catalogue No. of Star.	$x.$	$y.$	$\Delta x.$	$\Delta y.$
5152	-44°107	+32°927	+0°004	-0°012
5153	-40°422	-2°347	-0°002	+0°001
5162	-30°531	+6°615	-0°009	0°000
5178	+2°925	-36°780	+0°002	+0°012
5180	+7°991	+19°457	+0°007	-0°003
5182	+11°116	-51°766	-0°006	+0°019
5183	+14°832	-9°125	-0°009	-0°003
5185	+16°576	+47°444	-0°005	+0°002
5205	+43°195	-56°077	+0°010	-0°019
5213	+56°934	+8°620	+0°005	0°000

The two final columns give the residuals obtained by comparing the corrected photographic co-ordinates with those computed from meridian observations. From the sum of their squares we derive as the probable error corresponding to unit weight (*i.e.* that of a single equation of condition)

$$\pm 0'0064 = \pm 0''38.$$

The corresponding result derived from a large number of plates amounts to about $\pm 0''32$. The errors herein involved arise partly from the accidental errors of the photographic measures and partly from those of the meridian co-ordinates. Assuming that the probable errors of the meridian co-ordinates, including parts due to proper motion, amount to $\pm 0''20$, it follows that the probable accidental error of measurement of a single co-ordinate as derived from the photographs is

$$= \sqrt{(0''32)^2 - (0''20)^2} = \pm 0''25.$$

To facilitate the application of plate-constant corrections auxiliary tables were prepared for each plate giving the values of

- I. $a + (S + \alpha)x$, (arg : x)
- II. $-Py$, (arg : y)
- III. $b + (P + \beta)x$, (arg : x)
- IV. $+Sy$, (arg : y)

The quantities I and II corresponding with each star were then inserted in column 6 of the form on p. xiv, and the quantities III and IV in column 10. The final co-ordinates x, y entered in the same columns are obtained by applying these corrections to the entries x, y in the columns immediately preceding.

The co-ordinates as thus derived are the rectangular co-ordinates contained in the present volume. The actual values of the plate constants used are given in the table on p. xxx.

§ VIII.—INTERCOMPARISON OF PLATES.

The results derived from different plates might be compared by referring them all to some common system of co-ordinates, *e.g.* right ascensions and declinations. The necessary transformations are, however, laborious, while the direct transformation from one rectangular co-ordinate system to another, corresponding with a different plate-centre, affords many facilities in manipulation. It is thus convenient to adopt as a system of reference, for comparison of results derived from the overlapping portions of two plates, the rectangular co-ordinate system of one or other of the two plates concerned.

The formulæ necessary for the transformation are derived in the Introduction to vol. i., p. xxxi.

Denote by x_0, y_0 the co-ordinates of a star image on a plate whose centre corresponds with the point (α_0, δ_0) on the sky, and by x_1, y_1 co-ordinates which the same star would have if the plate centre were transferred to the point (α_1, δ_1) .

Then if

$$\begin{aligned}\delta_1 &= -48^\circ, \quad \delta_0 = -47^\circ, \quad \alpha_0 - \alpha_1 = \pm 5 \text{ mins.} \\ x_1 &= x_0 \pm 51' \cdot 1592 + .000240x_0 \pm .016220y_0 \pm .00000425x_0^2 + .00000518x_0y_0 \pm .0000008y_0^2 + \dots \\ y_1 &= y_0 + 59' \cdot 5978 \mp .015963x_0 + .000284y_0 - .00000007x_0^2 \pm .00000416x_0y_0 + .00000511y_0^2 + \dots\end{aligned}$$

These formulae enable us to transform the co-ordinates as derived from plates with centres on the declination circle -47° so as to render them strictly comparable with those derived by direct measurement from plates on the adjacent zone -48° .

Their use may be facilitated by the preliminary formation of auxiliary tables. For example, tables are prepared giving the values of

$$A_1 = 51' \cdot 1558 + .016220y_0$$

and of

$$B_1 = 59' \cdot 5926 - .015963x_0$$

with arguments y_0, x_0 respectively,—and secondly of the expressions

$$\begin{aligned}A_2 &= +0' \cdot 0034 + .000240x_0 + .00000425x_0^2 + .00000518x_0y_0 + .0000008y_0^2 \\ B_2 &= +0' \cdot 0052 + .000284y_0 - .00000007x_0^2 + .00000416x_0y_0 + .00000511y_0^2\end{aligned}$$

with the double arguments x_0, y_0 . For converting from a plate-centre in -47° to the plate-centre in -48° , preceding by 5 mins., we then have

$$x_1 = x_0 + A_1 + A_2, \quad y_1 = y_0 + B_1 + B_2.$$

Small constant parts have been included in the expressions for A_2, B_2 and subtracted from the constant parts in the expression for A_1, B_1 in order to avoid ambiguities in sign.

The double interpolation necessary to derive the quantities A_2, B_2 may be more conveniently effected graphically by plotting on squared paper the hyperbolæ represented by

$$\begin{aligned}A_2 &= \pm 0' \cdot 0005, \quad A_2 = \pm 0' \cdot 0015, \quad A_2 = \pm 0' \cdot 0025, \text{ etc.} \\ B_2 &= \pm 0' \cdot 0005, \quad B_2 = \pm 0' \cdot 0015, \quad B_2 = \pm 0' \cdot 0025, \text{ etc.}\end{aligned}$$

Tables for reducing x and y on — 47° Plates to overlap on — 48° Plates.

A₁.

y	0'	1'	2'	3'	4'	5'	6'	7'	8'	9'	y
— 0	51.156	.140	.123	.107	.091	.075	.058	.042	.026	51.010	— 0
10	50.994	.977	.961	.945	.929	.913	.896	.880	.864	.848	10
20	.831	.815	.799	.783	.767	.750	.734	.718	.702	.685	20
30	.669	.653	.637	.621	.604	.588	.572	.556	.539	.523	30
40	.507	.491	.475	.458	.442	.426	.410	.393	.377	.361	40
50	50.345	.329	.312	.296	.280	.264	.247	.231	.215	.199	50

A₂ Unit 0'.001.

x y \	-10'	0'	10'	20'	30'	40'	50'	60'	x y /
— 0	6	3	1	0	0	1	2	4	— 0
10	6	3	2	1	1	3	5	7	10
20	5	3	2	2	3	5	7	10	20
30	5	4	3	4	5	7	10	14	30
40	4	4	4	5	6	9	12	17	40
50	4	4	4	6	8	11	15	20	50
—60	3	4	5	7	10	13	18	23	—60

B₁.

x	0'	1'	2'	3'	4'	5'	6'	7'	8'	9'	x
0	59.593	.609	.625	.640	.656	.672	.688	.704	.720	.736	0
10	.752	.768	.784	.800	.816	.832	.848	.864	.880	.896	10
20	59.912	.928	.944	.960	.976	.992	60.008	.024	.040	.056	20
30	60.071	.087	.103	.119	.135	.151	.167	.183	.199	.215	30
40	.231	.247	.263	.279	.295	.311	.327	.343	.359	.375	40
50	60.391	.407	.423	.439	.455	.471	.487	.502	.518	.534	50

B₂ Unit 0'.001.

x y \	-10'	0'	10'	20'	30'	40'	50'	60'	x y /
— 0	5	5	5	5	5	5	5	5	— 0
10	2	3	3	4	4	4	5	5	10
20	1	2	2	3	4	5	6	6	20
30	0	1	3	4	5	6	7	9	30
40	0	2	4	5	7	9	10	12	40
50	2	4	6	8	10	12	14	16	50
—60	4	7	9	11	14	16	19	21	—60

Any point x_0, y_0 in the plane of these curves will then lie between a pair of the curves belonging to either series, and the corresponding values of A_2 or B_2 may be immediately read off to the nearest unit of the third decimal place, or if necessary roughly interpolated to the fourth decimal place, by reference to the numbers inserted in the spaces, e.g. the space between $A_2 = + \cdot 0025$ and $A_2 = + \cdot 0035$ in the A-diagram will be numbered 3, that between $B_2 = + \cdot 0065$ and $B_2 = + \cdot 0075$ in the B-diagram will be numbered 7.

The quantities thus obtained will always be small and can be applied at sight as corrections to the quantities A_1, B_1 as the latter are extracted from the tables.

The tables in an abridged form are given on p. xxiv. Where — 10 appears in the argument x for A_2 and B_2 it signifies that x precedes the centre of a preceding 47° plate or follows on a following plate; in these cases A_1 and A_2 are to be taken with the same sign as x , but in all other cases with the opposite sign to x . B_1 and B_2 are always to be taken with positive sign.

§ IX.—CONTROL OBSERVATIONS.

By the methods of the preceding section the co-ordinates of each star image have been reduced to the system of co-ordinates of at least one other overlapping plate and verified, where possible, by comparison with the results obtained by direct measurement on the latter.

The sub-zone to the north was considered the normal overlap for stars of y plus and that to the south for stars of y minus.

Stars whose positions were originally measured on one plate, but which were not represented among those measured on the overlapping plate, were, in the first instance, marked with the symbol M or m, to denote 'missing.' The capital letter implies that the overlapping area which was examined for verification preceded in R.A., the small letter that it was in following R.A.

Where these symbols have been retained in the final tables of rectangular co-ordinates, it should be understood that the positions quoted represent isolated observations of the stars concerned, unsupported by additional evidence from overlapping areas. Two plates of the 46° or 48° zones may overlap the 47° plate when the x co-ordinate on the latter is less than $\pm 10'$, and although M or m is retained the measures may have been verified by comparison with one of the plates.

In the case of the fainter stars no systematic attempt has been made at further verification, but the brighter stars have been subjected to additional examination by reference back to the plates.

No attempt has yet been made to convert the measures of diameter or estimates of intensity of the photographic images into a uniform scale of magnitude, and these measures or estimates themselves are accordingly quoted in the tables.

The quantity D quoted in the heading for each plate or at the head of column 4 on each page in the tables of rectangular co-ordinates is, however, roughly estimated as the diameter (or intensity) which corresponds with a magnitude of 11.0 on the C.P.D. scale; it further represents the limiting diameter on the plate for which a systematic attempt at verification has been made.

For all stars whose images attain or exceed this limiting intensity, and for fainter stars which have been examined, the original symbols M or m have been replaced by one or other of the following: A, B, C, D, E, F, a , b , c , d , e , f , α , β , γ , δ . The capital letters refer to an overlapping area whose centre precedes that of the plate under investigation, and the small letters to one which follows.

A or a indicates, that although the star was fainter than the limiting magnitude retained on the overlap, two images (1st and 2nd exposures) could be traced there in the required position.

B or b that the first image was visible, but that the second could not be seen.

C or c that the existence of the star image on the overlap could not be verified with certainty on account of the proximity of a réseau line, faults in the film, or similar causes.

D or d that no trace of a star image could be seen.

In cases marked C, c or D, d , the existence of the star image on the original plate has been verified, and the measures and reductions carefully re-examined.

The symbols α , β , γ , δ , with a similar significance to A, B, C, D, or a , b , c , d , have been used where the position of the star image on the overlapping area lies on the margin outside the usual limits of measurement.

The symbols E, e indicate that measures of a star, not represented on the normal quadrantal overlap, have been found on the marginal overlap of an adjacent plate in the same zone of declination, but of different R.A.

In like manner, the symbols F, f indicate that the existence of the star has been verified and its co-ordinates checked from the marginal areas of a plate whose centre is in the opposite direction in declination from that of the normal quadrantal overlap on which verification was first sought.

In cases marked E, e or F, f , no further verification by reference to the plates themselves has been considered necessary.

§ X.—PERSONAL.

The work here dealt with was planned and commenced under the direction of Sir David Gill, who retired from the directorship of the Observatory on 20th February 1907. Since this date the work has been continued under my directorship on similar lines.

The distribution of the work amongst the permanent and temporary members of the staff has been as follows.

The revised series of catalogue plates dealt with in this volume was commenced in 1897, under the supervision of Mr J. Lunt, B.Sc. After September 1898, Mr Lunt was transferred exclusively to the Astrophysical Department, and the control of the photography and development placed in charge of Mr C. R. Woods. On his retirement in 1901 March, Mr Woods was succeeded by Mr R. Woodgate, who has continued to supervise the photography till its completion.

As a rule, the development of the plates was performed by these officers, but several computers have also assisted in the exposure at the telescope, and occasionally in the developing room.

In the table giving particulars of the separate plates, the name of the observer at the telescope is indicated by initials, to be interpreted as follows :—

Banks, E. H.	...	...	$\left\{ \begin{array}{l} 1899 \text{ Sept. } 14-25, \\ 1902 \text{ Jan. } 9-\text{Apr. } 25, \end{array} \right\}$	E.B.	13
Gummer, W. A.	...	...	1901 July 18-1902 Nov. 18,	W.G.	6
Jackson, J. W.	...	...	1904 Feb. 29-end of work,	J.J.	17
Jeffries, C. W.	...	...	1903 Mar. 19-1904 Dec. 23,	J.	11
Johns, G. F.	...	...	1899 Sept. 16-1901 Jan. 17,	G.J.	10
Mullis, H. F.	...	...	1901 Sept. 17-1904 Mar. 16,	M.	35
Whittingdale, W.	...	...	1902 May 27-1903 Jan. 14,	W.W.	6
Woodgate, R.	...	...	1901 Mar. 9-end of work	W.	43
Woods, C. R.	...	...	1897 Dec. 9-1900 Nov. 9,	C.W.	3

The distribution of the work for the zone — 47° is indicated by the number of plates given in the last column.

The measurement of the plates was conducted by a staff of lady computers under the control of Miss M. Bowman from the commencement until 1902 March 27, and subsequently under the control of Miss E. van der Lingen. The same computers have throughout assisted in the more routine parts of the reductions and in the very heavy clerical work involved in preparing the work for press. The

following is a list of those who have taken part in the measurement, together with the initials by which they are referred to in the table on pp. xxx-xxxii and in the Catalogue:—

Miss M. Backwell	...	...	M.B.	1905 Sept. 1-1911 Nov. 30.
„ M. Bergh	...	...	S.B.	1899 July 1-1902 Mar. 31.
„ L. Berry	...	...	L.B.	1903 May 16-1903 Dec. 31.
„ M. Bowman	...	...	B.	1897 Jan. 16-1902 Mar. 27
„ M. Coates	...	...	M.C.	1902 Sept. 1 . . .
„ N. Crosby	...	...	C.	{ 1904 Apr. 1-1905 Nov. 15. 1906 Apr. 1-1914 Feb. 15.
„ M. Eedes	...	...	E.	1899 Nov. 6-1902 Mar. 31.
„ C. Halkett	...	...	C.H.	1897 Nov. 1-1900 Feb. 28.
Mrs Holtzer	...	...	H.	1899 May 19-1900 Sept. 30.
Miss J. Hutcheon	...	...	J.H.	1899 Feb. 6-1902 Mar. 31.
„ M. Jackson	...	...	M.J.	1904 Dec. 1-1905 Feb. 25.
„ N. Maclear	...	...	N.M.	{ 1902 Oct. 1-1904 Mar. 31. 1906 Mar. 1-1909 June 30.
Mrs Rolls	...	...	R.	1898 Sept. 19-1898 Dec. 31.
Miss E. Speight	...	...	S.	1899 Feb. 1-1902 Mar. 31.
„ M. Stephens	...	...	M.S.	{ 1897 July 1-1899 Jan. 31. 1902 Aug. 1 . . .
„ E. Straith	...	...	E.S.	1901 Sept. 9-1907 Feb. 28.
„ H. Twamley	...	...	T.	1906 Jan. 1-1911 Aug. 31.
„ E. Van der Lingen	...	...	L.	1902 Mar. 1-1911 Sept. 30.
„ E. Warren	...	...	E.W.	1900 Oct. 1-1901 July 31.

Misses Beattie, Carney, Duncan, Ness, Sampson, and Wilson have assisted in the reductions but have taken no part in the measurement.

The examination of the reductions, the computation of plate-constants, the preparation of the results for press, the onerous intercomparison and examination of overlapping areas have been supervised by Mr J. Power, who has been indefatigable in his endeavours to accelerate the work and to secure the greatest accuracy in detail. In addition to clerical assistance from the lady computers mentioned above, the following computers, acting immediately under Mr Power's control, have from time-to time taken part in the computational work:—

Mr E. H. Banks.
 „ R. W. Cheeseman.
 „ A. Cochrane.
 „ D. De Korte.
 „ R. Fowler.
 „ H. Garrett.
 „ A. W. Goatcher.
 „ W. Gummer.
 „ J. W. Jackson.
 „ C. W. Jeffries.
 „ G. F. Johns.

Mr M. Meldrum.
 „ H. F. Mullis.
 „ J. A. J. Pead.
 „ J. H. Peirce.
 „ F. H. Scragg.
 „ J. A. Simpson.
 „ W. Whittingdale.
 „ A. J. Wilkin.
 „ F. H. Williams.
 „ R. Williams.
 „ J. C. Wood.

The examination of the plates for discordant or missing stars on overlapping areas has been conducted by Messrs Peirce, Wilkin, and Miss Coates.

§ XI.—LIST OF PLATES.

The following table gives details of the separate plates dealt with in this volume.

Column 1 gives the rotation number in the zone and column 2 the R.A. of the centre of the plate.

Column 3 gives the rotation of the number plate from the diary of observations at the photographic telescope.

Column 4 gives the date of exposure of the photograph and column 5 the initials of the photographer, as indicated on p. xxvii.

Columns 6 and 7 give respectively the sidereal time and hour angle of the centre of the plate at the middle of the exposure.

Column 8 gives the state of the definition as recorded by the observer, the best conditions being denoted by 1 and the worst possible observing conditions by 4, intermediate or variable conditions by intermediate numbers or combinations of numbers.

Column 9 gives the distinguishing mark on the réseau used.

Column 10 gives the date on which the measurements were made, or in the case of the fuller plates, for some of which the measures extended over several days, an approximate mean date.

Column 11 gives the initials of the observers who made the measures, to be interpreted as on p. xxviii.

Column 12 indicates which of the two micrometers (I or II) was used.

Columns 13-18 contain the plate-constants, derived by the method of § VII., which have been employed in reducing the measures. These include the parts due to differential refraction and aberration.

Column 19 gives the number of standard stars used for the determination of these plate-constants.

ZONE — 47°. Details of Plates.

No.	$a_0.$	Plate.	Exposed		Mean Sid. Time.	Hour Angle.	Def.	Réseau.	Measured		Micrometer.	Plate-Constants Applied.						Standards
			on	by					on	by		$a.$	$S+a.$	$-P.$	$b.$	$P+\beta.$	$S.$	
1	0 5	7566	1903 Sept. 1	W	23 8	E 0 57 3	G 50	1906 June 15	NM, C	II.	-0 112 + 000707	-000104	-0 041	+ 000077	+ 000706	10		
2	15	7567	1903 Sept. 1	W	23 19	E 0 56 3	G 50	1906 June 17	C, NM	II.	- 175 + 644	- 780	+ 227	+ 754	+ 644	11		
3	25	8157	1904 Nov. 15	J	0 1	E 0 24 3	G 50	1906 June 18	C, NM	II.	- 214 + 767	- 756	+ 017	+ 744	+ 779	9		
4	35	6069	1900 Nov. 9	CW	0 41	W 0 6 3	G x	1906 June 19	NM, C	II.	- 032 + 232	- 1351	- 016	+ 1354	+ 247	11		
5	45	7686	1903 Oct. 29	M	0 9	E 0 36 1-2	G 50	1906 June 20	C, NM	II.	- 136 + 567	- 753	+ 129	+ 736	+ 576	12		
6	55	7687	1903 Oct. 29	M	0 18	E 0 37 1-2	G 50	1906 June 20	NM, C	II.	- 174 + 651	- 1108	+ 202	+ 1091	+ 659	10		
7	1 5	7688	1903 Oct. 29	M	0 28	E 0 37 1-2	G 50	1906 June 21	C, NM	II.	- 105 + 738	- 1148	+ 080	+ 1131	+ 746	11		
8	15	8707	1905 Dec. 15	JJ	1 44	W 0 29 3	G 50	1907 Jan. 11	L, MC	I.	+ 033 + 525	- 1853	+ 010	+ 1868	+ 536	12		
9	25	8705	1905 Dec. 9	JJ	2 6	W 0 41 3	G 50	1907 Jan. 14	L, MC	I.	+ 060 + 705	- 455	+ 003	+ 474	+ 713	12		
10	35	8694	1905 Dec. 5	JJ	2 15	W 0 40 3	G 50	1907 Jan. 14	L, MC	I.	+ 050 + 727	- 725	+ 091	+ 744	+ 735	11		
11	45	8695	1905 Dec. 5	JJ	2 31	W 0 46 3	G 50	1907 Jan. 15	L, MC	I.	+ 217 + 494	- 478	- 019	+ 499	+ 500	12		
12	55	8709	1905 Dec. 15	JJ	2 24	W 0 29 3	G 50	1907 Jan. 16	L, MC	I.	+ 128 + 564	- 2403	+ 248	+ 2417	+ 575	11		
13	2 5	7222	1902 Dec. 11	M	1 29	E 0 36 3	G 50	1906 June 22	NM, C	II.	- 110 + 426	- 92	+ 176	+ 75	+ 435	12		
14	15	7223	1902 Dec. 11	M	1 45	E 0 30 3	G 50	1906 June 22	C, NM	II.	- 027 + 415	- 1	+ 227	- 13	+ 425	11		
15	25	8697	1905 Dec. 5	JJ	3 4	W 0 39 3	G 50	1907 Jan. 18	L, MC	I.	+ 063 + 554	- 706	+ 020	+ 725	+ 562	1'		
16	35	7224	1902 Dec. 11	M	2 10	E 0 25 3	G 50	1906 June 24	NM, C	II.	+ 086 + 482	- 15	+ 198	+ 3	+ 494	11		
17	45	7225	1902 Dec. 11	M	2 27	E 0 18 3	G 50	1906 June 25	C, NM	II.	- 103 + 454	- 37	+ 188	+ 28	+ 467	11		
18	55	7226	1902 Dec. 11	M	2 42	E 0 13 3	G 50	1906 June 26	NM, C	II.	- 094 + 399	- 93	+ 291	+ 86	+ 413	11		
19	3 5	7101	1902 Oct. 21	M	2 43	E 0 22 2-3	G 50	1906 June 26	C, NM	II.	- 107 + 321	- 106	+ 150	+ 117	+ 333	12		
20	15	7102	1902 Oct. 21	M	2 59	E 0 16 2-3	G 50	1906 June 27	NM, C	II.	- 117 + 567	- 320	+ 146	+ 312	+ 580	12		
21	25	7103	1902 Oct. 21	M	3 16	E 0 9 2-3	G 50	1906 June 28	NM, C	II.	- 057 + 549	- 25	- 875	+ 20	+ 563	10		
22	35	7104	1902 Oct. 21	M	3 32	E 0 3 2-3	G 50	1906 June 28	C, NM	II.	- 264 + 484	- 223	+ 159	+ 221	+ 500	9		
23	45	7105	1902 Oct. 21	M	3 48	W 0 3 2-3	G 50	1906 June 29	NM, C	II.	- 004 + 505	- 103	+ 157	- 101	+ 521	14		
24	55	7227	1902 Dec. 11	M	3 23	E 0 32 3	G 50	1906 July 1	C, NM	II.	+ 095 + 515	- 1803	+ 333	+ 1788	+ 525	12		
25	4 5	7228	1902 Dec. 11	M	3 38	E 0 27 3	G 50	1906 July 2	NM, C	II.	- 115 + 479	- 155	+ 086	+ 142	+ 490	11		
26	15	7229	1902 Dec. 11	M	3 55	E 0 20 3	G 50	1906 July 3	C, NM	II.	+ 010 + 540	- 241	+ 218	+ 231	+ 553	10		
27	25	7258	1903 Jan. 13	W	3 56	E 0 29 2-3	G 50	1906 July 5	NM, C	II.	- 006 + 497	- 100	+ 132	+ 114	+ 507	13		
28	35	6540	1901 Nov. 13	W	4 43	W 0 8 4-3	G 61	1906 July 6	C, NM	II.	+ 181 + 543	- 714	- 081	+ 710	+ 558	11		
29	45	7259	1903 Jan. 13	W	4 12	E 0 33 2-3	G 50	1906 July 9	NM, C	II.	- 093 + 543	- 55	+ 272	+ 71	+ 553	12		
30	55	7260	1903 Jan. 13	W	4 28	E 0 27 2-3	G 50	1906 July 10	C, NM	II.	- 102 + 456	- 51	+ 283	+ 38	+ 467	11		
31	5 5	7230	1902 Dec. 11	WW	4 26	E 0 39 2-3	G 50	1906 July 12	NM, C	II.	+ 214 + 389	- 692	+ 095	- 711	+ 397	12		
32	15	7231	1902 Dec. 11	WW	4 42	E 0 33 2-3	G 50	1906 July 13	C, NM	II.	- 115 + 605	- 1298	+ 034	+ 1314	+ 615	12		
33	25	7261	1903 Jan. 13	W	4 44	E 0 41 2-3	G 50	1906 July 17	NM, C	II.	- 110 + 496	- 683	+ 180	+ 702	+ 504	11		
34	35	7232	1902 Dec. 11	WW	5 1	E 0 34 2-3	G 50	1906 July 19	C, NM	II.	+ 051 + 578	- 2633	+ 005	+ 2649	+ 587	12		
35	45	7233	1902 Dec. 11	WW	5 17	E 0 28 2-3	G 50	1906 July 22	NM, C	II.	+ 035 + 646	- 43	+ 179	+ 29	+ 657	11		
36	55	7262	1903 Jan. 13	W	5 1	E 0 54 2-3	G 50	1906 July 24	NM, C	II.	- 080 + 527	- 225	+ 137	+ 250	+ 528	13		
37	6 5	7235	1902 Dec. 11	WW	5 50	E 0 15 3	G 50	1906 July 25	C, NM	II.	- 158 + 513	- 9	+ 245	+ 2	+ 527	12		
38	15	7236	1902 Dec. 11	WW	6 7	E 0 8 3-4	G 50	1906 July 26	NM, C	II.	+ 044 + 503	- 194	+ 125	+ 190	+ 518	14		
39	25	7263	1903 Jan. 13	W	5 19	E 1 6 2-3	G 50	1906 July 29	C, NM	II.	+ 013 + 517	- 438	+ 283	+ 468	+ 511	13		
40	35	4713	1898 Jan. 12	CW	6 41	W 0 6 2-3	G 51	1906 Aug. 3	NM, C	II.	- 402 + 420	- 192	- 007	+ 188	+ 435	13		
41	45	6662	1902 Jan. 29	M	6 54	W 0 9 3-4	G 61	1906 Aug. 7	C, NM	II.	- 027 + 301	- 423	- 093	+ 428	+ 316	13		
42	55	6663	1902 Jan. 29	M	7 14	W 0 19 3-4	G 61	1906 Aug. 11	C, NM	II.	- 109 + 299	- 33	- 168	+ 43	+ 312	14		
43	7 5	8331	1905 Feb. 22	W	6 59	E 0 6 3	G 50	1906 Aug. 11	MC, L	I.	- 350 + 576	- 1000	- 169	+ 997	+ 591	13		
44	15	8332	1905 Feb. 22	W	7 16	W 0 1 3	G 50	1905 Sept. 22	L, C	I.	- 378 + 709	- 798	+ 164	+ 798	+ 725	14		
45	25	8324	1905 Feb. 14	W	6 37	E 0 48 3-4	G 50	1906 Aug. 7	L, MC	I.	- 200 + 569	- 811	- 099	+ 789	+ 573	12		
46	35	5772	1900 Mar. 8	GJ	7 50	W 0 15 1-2	G x	1904 July 10	L, C	I.	+ 168 + 379	- 1368	+ 034	+ 1375	+ 393	12		
47	45	5756	1900 Feb. 26	GJ	7 40	E 0 5 2-3	G x	1904 July 14	L, C	I.	+ 266 + 422	- 1196	- 080	+ 1193	+ 437	13		
48	55	5768	1900 Mar. 6	GJ	7 50	E 0 5 1-2	G x	1904 July 18	L, C	I.	- 104 + 395	- 1663	+ 089	+ 1660	+ 410	12		
49	8 5	6711	1902 Mar. 17	WG	7 58	E 0 7 3	G 61	1904 July 23	L, C	I.	- 115 + 489	- 11	+ 113	- 14	+ 504	12		
50	15	6664	1902 Jan. 29	EB	7 56	E 0 19 3	G 61	1904 July 30	L, C	I.	- 191 + 384	- 9	- 125	- 19	+ 397	12		

15. Guiding star faint.

28. Control not working.

41, 42, 50. Windy.

ZONE — 47°. Details of Plates.

No.	q. ^{o.}	Plate	Exposed		Mean Sid. Time.	Hour Angle.	Def.	Réseau.	Measured		Micrometer	Plate-Constants Applied.					Standards
			on	by					on	by		a	S + a	-P	b	P + β	
51	8 25	6712	1902 Mar. 17	WG	8 14	E o 11 3	G 61	1904 Aug. 6	L, C	I.	-0.181	+0.000524	-0.000152	+0.098	+0.000147	+0.000538	11
52	35	6696	1902 Feb. 26	M	8 42	W o 7 3-4	G 61	1904 Aug. 11	L, C	I.	-0.221	+627	-226	-0.010	+230	+642	13
53	45	4718	1898 Jan. 12	CW	8 26	E o 19 2	G 51	1904 Aug. 18	L, C	I.	-0.042	+469	-245	-0.075	+235	+482	14
54	55	6649	1902 Jan. 23	EB	7 57	E o 58 3-4	G 61	1904 Aug. 24	L, C	I.	-0.148	+309	-116	+0.113	+143	+308	13
55	9 5	5770	1900 Mar. 6	GJ	9 35	W o 30 1-2	G X	1904 Aug. 27	L, C	I.	-0.089	+424	-1415	-0.001	+1429	+434	13
56	15	6650	1902 Jan. 23	EB	8 15	E i o 3	G 61	1904 Sept. 3	L, C	I.	-0.147	+333	-105	-0.051	+133	+331	14
57	25	5775	1900 Mar. 8	GJ	9 47	W o 22 2-3	G X	1904 Sept. 6	L, C	I.	-0.036	+381	-1483	-0.078	+1494	+393	13
58	35	6651	1902 Jan. 23	EB	8 36	E o 59 3-2	G 61	1904 Sept. 8	L, C	I.	-0.136	+245	-382	-0.112	+410	+243	12
59	45	6665	1902 Jan. 29	EB	8 14	E i 31 3	G 61	1904 Sept. 12	L, C	I.	-0.130	+528	-161	-0.124	+124	+505	13
60	55	6652	1902 Jan. 23	EB	8 54	E i 1 3-2	G 61	1904 Sept. 17	L, C	I.	-0.143	+561	-111	-0.092	+83	+559	11
61	10 5	6653	1902 Jan. 23	EB	9 9	E o 56 2-3	G 61	1904 Sept. 23	L, C	I.	-0.164	+368	-133	-0.085	+107	+368	13
62	15	8354	1905 Mar. 28	W	9 34	E o 41 2-3	G 50	1906 July 22	L, MC	I.	-0.336	+687	-599	-0.079	+580	+695	13
63	25	6671	1902 Jan. 29	EB	10 2	E o 23 3	G 61	1904 Oct. 1	L, C	I.	-0.091	+513	-261	-0.204	+249	+525	12
64	35	6830	1902 Apr. 19	EB	9 21	E i 14 2	G 61	1906 July 27	L, MC	I.	-0.288	+532	-50	-0.069	+17	+522	13
65	45	5837	1900 Apr. 19	GJ	10 35	E o 10 1-2	G X	1904 Oct. 6	L, C	I.	-0.018	+314	-482	-0.070	+487	+328	13
66	55	8356	1905 Mar. 28	W	10 6	E o 49 2-3	G 50	1906 Aug. 3	L, MC	I.	-0.283	+708	-488	-0.080	+465	+711	12
67	11 5	6833	1902 Apr. 19	EB	10 4	E i 1 2	G 61	1904 Oct. 9	L, C	I.	-0.097	+543	-470	-0.164	+498	+541	11
68	15	6834	1902 Apr. 19	EB	10 18	E o 57 2-3	G 61	1904 Oct. 12	L, C	I.	-0.170	+539	-416	-0.014	+443	+538	10
69	25	6835	1902 Apr. 19	EB	10 33	E o 52 3	G 61	1904 Oct. 15	L, C	I.	-0.233	+522	-246	-0.101	+270	+524	13
70	35	6731	1902 Mar. 19	WG	11 43	W o 8 3-4	G 61	1904 Oct. 17	L, C	I.	-0.085	+645	-598	-0.040	+594	+660	13
71	45	6732	1902 Mar. 19	WG	11 59	W o 14 3-4	G 61	1904 Oct. 18	L, C	I.	-0.131	+463	-373	-0.073	+366	+477	11
72	55	6836	1902 Apr. 19	EB	10 47	E i 8 3	G 61	1904 Dec. 29	MC, C	I.	-0.201	+594	-620	-0.007	+624	+609	12
73	12 5	7394	1903 June 6	M	12 2	E o 3 2-3	G 50	1905 Jan. 5	C, MC	I.	-0.143	+440	-205	-0.244	+203	+456	11
74	15	6733	1902 Mar. 19	WG	12 16	W o 1 3-4	G 61	1905 Jan. 9	C, MC	I.	-0.111	+535	-491	-0.097	+491	+551	11
75	25	7860	1904 May 3	J	11 3	E i 22 3	G 50	1905 Jan. 10	C, MC	I.	-0.186	+607	-324	-0.090	+359	+592	10
76	35	6734	1902 Mar. 19	WG	12 32	E o 3 3-4	G 61	1905 Jan. 11	C, MC	I.	-0.096	+521	-318	-0.083	+320	+537	13
77	45	7831	1904 Apr. 12	J	11 15	E i 30 3	G 50	1905 Jan. 12	C, MC	I.	-0.225	+637	-396	-0.001	+359	+615	13
78	55	7832	1904 Apr. 12	J	11 25	E i 30 3	G 50	1905 Jan. 15	C, MC	I.	-0.270	+721	-91	-0.024	+128	+699	9
79	13 5	7833	1904 Apr. 12	J	11 37	E i 28 3	G 50	1905 Feb. 27	MC, ES, MJ	II.	+0.160	+739	-84	-0.041	+121	+718	13
80	15	5897	1900 June 1	GJ	13 50	W o 35 1	G X	1905 Mar. 2	ES, MC	II.	-0.071	+324	-1310	-0.256	+1327	+333	11
81	25	7399	1903 June 6	M	13 23	E o 2 2-3	G 50	1905 Mar. 6	MC, ES	II.	-0.129	+602	-702	-0.451	+703	+618	13
82	35	5927	1900 June 26	GJ	13 51	W o 16 1-2	G X	1905 Mar. 9	ES, MC	II.	-0.214	+418	-1171	-0.042	+1179	+431	10
83	45	7400	1903 June 6	M	13 40	E o 5 2-3	G 50	1905 Mar. 12	MC, ES	II.	-0.164	+650	-964	-0.316	+967	+665	11
84	55	6840	1902 Apr. 24	W	13 56	W o 1 3-4	G 61	1905 Mar. 16	ES, MC	II.	-0.083	+608	-678	-0.335	+678	+624	10
85	14 5	6841	1902 Apr. 24	W	14 14	W o 9 3-4	G 61	1905 Mar. 21	MC, ES	II.	-0.199	+649	-714	-0.174	+709	+663	12
86	15	6845	1902 Apr. 25	M	14 0	E o 15 2	G 61	1905 Mar. 25	ES, MC	II.	-0.230	+634	-476	-0.183	+484	+648	10
87	25	6846	1902 Apr. 25	M	14 16	E o 9 2	G 61	1905 Mar. 29	MC, ES	II.	-0.119	+559	-297	-0.136	+292	+574	14
88	35	6847	1902 Apr. 25	M	14 32	E o 3 2	G 61	1905 Apr. 4	ES, MC	II.	-0.179	+596	-357	-0.177	+359	+612	12
89	45	6848	1902 Apr. 25	M	14 48	W o 3 2	G 61	1905 Apr. 7	MC, ES	II.	-0.287	+593	-288	-0.227	+286	+609	12
90	55	6849	1902 Apr. 25	M	15 7	W o 12 2-3	G 61	1905 Apr. 10	ES, MC	II.	-0.263	+505	-454	-0.190	+448	+519	12
91	15 5	7903	1904 June 27	J	14 30	E o 35 3	G 50	1905 Apr. 13	MC, ES	II.	-0.324	+773	-413	-0.121	+396	+782	13
92	15	6850	1902 Apr. 25	M	15 23	W o 8 2-3	G 61	1905 Apr. 18	ES, MC	II.	-0.161	+565	-467	-0.132	+463	+580	12
93	25	6851	1902 Apr. 25	M	15 41	W o 16 2-3	G 61	1905 Apr. 22	MC, ES	II.	-0.157	+513	-498	-0.167	+490	+526	13
94	35	7958	1904 July 21	JJ	14 36	E o 59 3	G 50	1905 Apr. 28	ES, MC	II.	-0.253	+597	-716	-0.010	+744	+595	11
95	45	7443	1903 July 6	J	14 54	E o 51 3	G 50	1905 May 11	MC, ES	II.	-0.134	+635	-938	-0.053	+961	+638	12
96	55	7444	1903 July 6	J	15 17	E o 38 3	G 50	1905 May 17	ES, MC	II.	-0.192	+699	-785	-0.051	+803	+707	13
97	16 5	6852	1902 Apr. 25	M	15 59	E o 6 3	G 61	1905 May 18	MC, ES	II.	-0.297	+663	-355	-0.201	+358	+678	11
98	15	7445	1903 July 6	J	15 36	E o 39 3	G 50	1905 May 23	ES, MC	II.	-0.042	+620	-863	-0.028	+882	+628	10
99	25	7446	1903 July 6	J	15 54	E o 31 3	G 50	1905 June 4	MC, ES	II.	-0.062	+669	-841	-0.056	+856	+679	13
100	35	8070	1904 Aug. 26	J	16 44	W o 9 3-4	G 50	1905 June 18	ES, MC	II.	-0.191	+628	-798	-0.006	+793	+643	13

59, 63. Gusty wind.

72. Constants computed with error of 1° in Hour Angle, viz., E ob. 8^m.

84, 85. Control failing.

ZONE — 47°. Details of Plates.

No.	$\alpha_0.$	Plate.	Exposed		Mean Sid. Time.	Hour Angle.	Def.	Réseau.	Measured		Micrometer.	Plate-Constants Applied						Standards
			on	by					on	by		a.	S+a.	—P.	b.	P.+β.	S.	
101	16 45	8013	1904 July 28	W	15 27	E 1 18	3	G 50	1905 July 2	L, C	I.	- 0.196	+ 0.000647	+ 0.000636	+ 0.007	- 0.000670	+ 0.000634	12
102	55	8052	1904 Aug. 23	JJ	16 49	E 0 6	3	G 50	1905 July 5	L, C	I.	- 267	+ 775	+ 537	- 0.034	540	+ 795	11
103	17 5	8053	1904 Aug. 23	JJ	17 7	W 0 2	3	G 50	1905 July 15	L, C	I.	- 273	+ 692	+ 746	- 0.084	746	+ 708	14
104	15	8027	1904 July 29	JJ	15 37	E 1 38	3	G 50	1905 July 20	L, C	I.	- 193	+ 770	+ 670	+ 0.025	709	+ 740	13
105	25	8054	1904 Aug. 23	JJ	17 24	E 0 1	3	G 50	1905 July 24	L, C	I.	- 280	+ 774	+ 123	- 0.052	123	+ 790	14
106	35	8055	1904 Aug. 23	JJ	17 40	W 0 5	3	G 50	1905 Aug. 2	L, C, MC	I.	- 062	+ 665	+ 1384	- 0.062	1381	+ 680	13
107	45	8390	1905 May 6	JJ	18 8	W 0 23	3	G 50	1905 Aug. 11	L, C	I.	+ 070	+ 749	+ 562	- 0.115	551	+ 761	13
108	55	8056	1904 Aug. 23	JJ	17 56	W 0 1	3	G 50	1905 Aug. 24	L, C	I.	+ 195	+ 723	+ 148	+ 0.033	148	+ 739	11
109	18 5	7008	1902 Aug. 6	W	17 27	E 0 38	4-3	G 50	1906 June 11	L, MC	I.	+ 170	+ 543	+ 1233	+ 0.092	1251	+ 551	12
110	15	8460	1905 June 23	W	17 10	E 1 5	2-3	G 50	1906 June 14	L, MC	I.	- 117	+ 683	+ 636	+ 0.182	665	+ 678	11
111	25	8461	1905 June 23	W	17 25	E 1 0	2-3	G 50	1906 June 21	L, MC	I.	- 079	+ 785	+ 674	+ 0.147	702	+ 783	13
112	35	8462	1905 June 23	W	17 41	E 0 54	2-3	G 50	1906 June 27	L, MC	I.	- 086	+ 865	+ 844	+ 0.117	869	+ 866	12
113	45	8463	1905 June 23	W	17 56	E 0 49	2-3	G 50	1906 July 5	L, MC	I.	- 243	+ 727	+ 661	+ 0.165	684	+ 730	11
114	55	8464	1905 June 23	W	18 14	E 0 41	2-3	G 50	1906 July 10	L, MC	I.	- 192	+ 784	+ 318	+ 0.122	337	+ 792	14
115	19 5	8465	1905 June 23	W	18 32	E 0 33	2-3	G 50	1906 July 14	L, MC	I.	- 103	+ 663	+ 368	+ 0.189	384	+ 673	12
116	15	8466	1905 June 23	W	18 49	E 0 26	2-3	G 50	1906 July 17	L, MC	I.	- 189	+ 894	+ 316	+ 0.141	328	+ 905	13
117	25	6003	1900 Sept. 10	GJ	19 29	W 0 4	3	G X	1905 Sept. 26	L, C	I.	+ 399	+ 260	+ 986	+ 0.170	988	+ 275	14
118	35	6017	1900 Sept. 17	GJ	18 45	E 0 50	1-2	G X	1905 Sept. 27	L, C	I.	+ 186	+ 294	+ 1068	+ 0.109	1045	+ 297	12
119	45	8506	1905 July 14	JJ	19 57	W 0 12	2-3	G 50	1905 Sept. 22	C, L	I.	+ 109	+ 553	+ 222	+ 0.196	217	+ 567	11
120	55	8103	1904 Sept. 22	W	19 33	E 0 22	3	G 50	1905 Sept. 29	L, C	I.	- 119	+ 672	+ 281	+ 0.105	292	+ 685	13
121	20 5	8058	1904 Aug. 23	JJ	19 24	E 0 41	3	G 50	1906 Jan. 28	MB, ES	II.	- 161	+ 750	+ 681	+ 0.140	700	+ 758	11
122	15	8104	1904 Sept. 22	W	19 49	E 0 26	3	G 50	1906 Jan. 31	ES, MB	II.	- 126	+ 730	+ 291	+ 0.076	304	+ 742	11
123	25	8105	1904 Sept. 22	W	20 8	E 0 17	3-4	G 50	1906 Feb. 3	ES, MB	II.	- 367	+ 811	+ 98	+ 0.065	107	+ 824	11
124	35	8468	1905 June 23	W	19 34	E 1 1	3	G 50	1906 Feb. 7	ES, MB	II.	- 246	+ 696	+ 251	+ 0.178	279	+ 693	15
125	45	8059	1904 Aug. 23	JJ	19 40	E 1 5	3	G 50	1906 Feb. 10	ES, MB	II.	- 205	+ 823	+ 154	+ 0.005	183	+ 818	11
126	55	8469	1905 June 23	W	19 54	E 1 1	3-4	G 50	1906 Feb. 12	ES, MB	II.	- 060	+ 459	+ 218	+ 0.152	246	+ 456	9
127	21 5	7573	1903 Sept. .9	W	20 41	E 0 24	3	G 50	1906 Feb. 14	ES, MB	II.	- 052	+ 815	+ 1438	+ 0.286	1450	+ 827	10
128	15	7574	1903 Sept. 9	W	20 54	E 0 21	3	G 50	1906 Feb. 16	ES, MB	II.	- 152	+ 723	+ 1510	+ 0.267	1520	+ 736	14
129	25	7575	1903 Sept. 9	W	21 4	E 0 21	3	G 50	1906 Feb. 18	ES, MB	II.	- 179	+ 613	+ 973	+ 0.222	983	+ 626	10
130	35	7611	1903 Sept. 30	W	21 34	E 0 1	2-3	G 50	1906 Feb. 20	MB, ES	II.	- 236	+ 644	+ 686	+ 0.284	686	+ 660	15
131	45	7612	1903 Sept. 30	W	21 44	E 0 1	2-3	G 50	1906 Feb. 21	ES, MB	II.	- 101	+ 543	+ 2268	+ 0.215	2268	+ 559	11
132	55	7613	1903 Sept. 30	W	21 55	E 0 0	3	G 50	1906 Feb. 22	MB, ES	II.	- 265	+ 625	+ 342	+ 0.069	342	+ 641	13
133	22 5	7614	1903 Sept. 30	W	21 6	E 0 59	3	G 50	1906 Feb. 23	MB, ES	II.	- 172	+ 578	+ 845	+ 0.419	873	+ 576	10
134	15	7615	1903 Sept. 30	W	21 17	E 0 58	3	G 50	1906 Feb. 25	ES, MB	II.	- 169	+ 636	+ 738	+ 0.262	765	+ 635	11
135	25	7616	1903 Sept. 30	W	21 27	E 0 58	3	G 50	1906 Feb. 26	ES, MB	II.	- 044	+ 669	+ 958	+ 0.231	985	+ 668	11
136	35	7617	1903 Sept. 30	W	21 37	E 0 58	3	G 50	1906 Feb. 28	ES, MB	II.	- 076	+ 580	+ 456	+ 0.107	483	+ 579	13
137	45	7648	1903 Oct. 8	M	22 35	E 0 10	2	G 50	1906 Mar. 1	ES, MB	II.	- 276	+ 640	+ 1252	+ 0.025	1247	+ 655	14
138	55	7649	1903 Oct. 8	M	22 45	E 0 10	2	G 50	1906 Mar. 3	ES, MB	II.	- 332	+ 624	+ 1434	+ 0.016	1429	+ 638	12
139	23 5	7650	1903 Oct. 8	M	22 54	E 0 11	2-3	G 50	1906 Mar. 5	ES, MC	II.	- 340	+ 605	+ 1349	+ 0.108	1344	+ 619	11
140	15	7651	1903 Oct. 8	M	23 4	E 0 11	2-3	G 50	1906 Mar. 6	ES, MB	II.	- 357	+ 511	+ 1373	+ 0.045	1368	+ 525	12
141	25	7652	1903 Oct. 8	M	23 14	E 0 11	3	G 50	1906 Mar. 7	ES, MB	II.	- 296	+ 569	+ 2363	+ 0.415	2368	+ 583	11
142	35	7619	1903 Sept. 30	W	22 36	E 0 59	2-3	G 50	1906 Mar. 8	MB, ES	II.	- 072	+ 690	+ 711	+ 0.195	739	+ 688	11
143	45	7620	1903 Sept. 30	W	22 46	E 0 59	2-3	G 50	1906 Mar. 9	ES, HT	II.	- 153	+ 626	+ 842	+ 0.153	870	+ 624	11
144	55	7621	1903 Sept. 30	W	22 57	E 0 58	2-3	G 50	1906 Mar. 11	ES, HT	II.	- 305	+ 552	+ 110	+ 0.288	137	+ 551	10

122, 123. Bright moonlight.

126. Clouds passing.

§ XII.—FORMULÆ FOR THE CONVERSION OF CO-ORDINATES.

If α_0, δ_0 denote the R.A. and Declination of a plate centre, α, δ the true R.A. and Declination of a star whose rectangular co-ordinates, expressed in minutes of arc, are denoted by x, y , the rigorous formulæ connecting the quantities α, δ with x, y may be expressed by means of an auxiliary angle ϕ , in the form

$$\begin{aligned}\tan(\alpha - \alpha_0) &= x \sec \phi \tan r' \cos(\phi - \delta_0), \\ \tan \delta &= \tan \phi \cos(\alpha - \alpha_0),\end{aligned}$$

where

$$\tan(\phi - \delta_0) = y \tan r'.$$

Let

$$\tan \theta = x \tan r' \sec \phi.$$

Then we have

$$\begin{aligned}\tan(\alpha - \alpha_0) &= \tan \theta \cos(\phi - \delta_0), \\ \tan \delta &= \tan \phi \cos(\alpha - \alpha_0),\end{aligned}$$

from which the following developments may be derived

$$\begin{aligned}\alpha - \alpha_0 &= \theta - \tan^2 \frac{1}{2} (\phi - \delta_0) \sin 2\theta + \frac{1}{2} \tan^4 \frac{1}{2} (\phi - \delta_0) \sin 4\theta + \dots \\ \delta &= \phi - \tan^2 \frac{1}{2} (\alpha - \alpha_0) \sin 2\phi + \frac{1}{2} \tan^4 \frac{1}{2} (\alpha - \alpha_0) \sin 4\phi + \dots\end{aligned}$$

Since $\phi - \delta, \theta$ are of the order of x and y , on neglecting terms of the 4th and higher orders these formulæ take the approximate forms

$$\begin{aligned}\alpha - \alpha_0 &= \theta - \theta \frac{1}{2} (y^2 \tan^2 r'), \\ \delta &= \phi - \frac{1}{2} x^2 \frac{\tan^2 r'}{\tan^2 r''} \tan \phi \cos^2(\phi - \delta_0),\end{aligned}$$

or

$$\begin{aligned}\alpha - \alpha_0 &= [1 - \frac{1}{2} y^2 \tan^2 r'] \tan^{-1} x \sin r' \sec \phi, \\ \delta - \delta_0 &= \tan^{-1} [y \tan r'] - 30 x^2 \tan r' \tan \phi \cos^2(\phi - \delta_0),\end{aligned}$$

which may further be expressed in the form

$$\begin{aligned}\alpha - \alpha_0 &= P_1 x + P_2 \\ \delta - \delta_0 &= y + Q_1 x^2 + Q_2\end{aligned}$$

where if $\alpha - \alpha_0, \delta - \delta_0$ are expressed in seconds of time and seconds of arc respectively

$$\begin{aligned}P_1 &= 4 \sec \phi (1 - \frac{1}{2} y^2 \tan^2 r') \\ P_2 &= P_1 x - \tan P_1 x / \tan r' \\ Q_1 &= -30 \tan r' \tan \phi \cos^2(\phi - \delta_0) \\ Q_2 &= \phi - \delta_0 - \frac{\tan(\phi - \delta_0)}{\tan r''}\end{aligned}$$

As all the plate centres dealt with in the present volume are confined to the same declination, the quantity ϕ for these plates depends uniquely on y and the quantities P_1, Q_1 , or their logarithms can thus be simply tabulated as a function of y .

Small subsidiary tables give the values of P_2 and Q_2 , the former with argument P_1x as derived in the course of the computation, and the latter with argument y , which only differs from $\phi - \delta_0$ by quantities of the third order.

Tables giving $\log P_1$, $\log Q_1$ with argument y , and these subsidiary tables as applicable to the co-ordinates contained in this volume are appended.

These tables are sufficient to compute the results with an accuracy exceeding $^s\cdot001$ in R.A. and $^m\cdot01$ in Declination, but as a rule the final decimal figures may be dropped without detriment.

Examples showing the use of these tables are here given.

$x = -58' \cdot 012$	$y = -38' \cdot 093$	$x = +55' \cdot 056$	$y = +39' \cdot 518$
	$= -38' 5'' \cdot 58$		$= +39' 31'' \cdot 08$
$\log P_1 = 0 \cdot 773468$	$\log Q_1 = 7 \cdot 98079$	$\log P_1 = 0 \cdot 762956$	$\log Q_1 = 7 \cdot 96113$
$\log x = 1 \cdot 763518n$	$\log x^2 = 3 \cdot 52704$	$\log x = 1 \cdot 740805$	$\log x^2 = 3 \cdot 48161$
<hr/>	<hr/>	<hr/>	<hr/>
$\log (P_1x) = 2 \cdot 536986n$	$\log (Q_1x^2) = 1 \cdot 50783$	$\log (P_1x) = 2 \cdot 503761$	$\log (Q_1x^2) = 1 \cdot 44274$
$P_1x = -344^s \cdot 339$	$Q_1x^2 = +32'' \cdot 20$	$P_1x = +318^s \cdot 978$	$Q_1x^2 = +27'' \cdot 72$
$P_2 = +072$	$Q_2 = +09$	$P_2 = -057$	$Q_2 = -10$
$\alpha - \alpha_0 = -5^m 44^s \cdot 267$	$\delta - \delta_0 = -37' 33'' \cdot 29$	$\alpha - \alpha_0 = +5^m 18^s \cdot 921$	$\delta - \delta_0 = +39' 58'' \cdot 70$

Zone — 47°. Tables for converting x and y to α and δ .

Argument, $y+$.				Argument, $y-$.				Diff. Log. P_1 .					
$y.$	Log P_1 .	Log. Q_1 .	Q_2 .	y	Log. P_1 .	Log. Q_1 .	Q_2 .	133	134	135	136	137	138
+ 59	0.760356	7.95614	- 0.35	- 0	0.768277	7.97119	0.00	133	134	135	136	137	138
58	0489	639	.33	1	8412	144	.00	13.3	13.4	13.5	13.6	13.7	13.8
57	0622	665	.31	2	8548	170	.00	26.6	26.8	27.0	27.2	27.4	27.6
56	0755	691	.30	3	8683	195	.00	39.9	40.2	40.5	40.8	41.1	41.4
55	0889	716	.28	4	8819	220	.00	53.2	53.6	54.0	54.4	54.8	55.2
	133	26			135	26		66.5	67.0	67.5	68.0	68.5	69.0
+ 54	0.761022	7.95742	- 0.27	- 5	0.768954	7.97246	0.00	79.8	80.4	81.0	81.6	82.2	82.8
53	1155	768	.25	6	9090	271	.00	93.1	93.8	94.5	95.2	95.9	96.6
52	1288	793	.24	7	9226	296	.00	106.4	107.2	108.0	108.8	109.6	110.4
51	1422	819	.22	8	9362	322	.00						
50	1555	845	.21	9	9498	347	.00						
	134	25			136	25							
+ 49	0.761689	7.95870	- 0.20	- 10	0.769634	7.97372	0.00	119.7	120.6	121.5	122.4	123.3	124.2
48	1822	896	.19	11	9769	397	.00						
47	1955	922	.18	12	9905	423	.00						
46	2089	947	.16	13	0.770041	448	.00						
45	2223	973	.15	14	0177	473	.00						
	134	25			137	25							
+ 44	0.762356	7.95998	- 0.14	- 15	0.770314	7.97498	+ 0.01						
43	2490	7.96024	.13	16	0450	524	.01						
42	2624	050	.13	17	0586	549	.01						
41	2757	075	.12	18	0722	574	.01						
40	2891	101	.11	19	0858	599	.01						
	134	25			137	25							
+ 39	0.763025	7.96126	- 0.10	- 20	0.770995	7.97624	+ 0.01						
38	3159	152	.09	21	1131	650	.02						
37	3293	178	.09	22	1267	675	.02						
36	3427	203	.08	23	1404	700	.02						
35	3561	229	.07	24	1540	725	.02						
	134	25			137	25							
+ 34	0.763695	7.96254	- 0.07	- 25	0.771677	7.97750	+ 0.03						
33	3829	280	.06	26	1813	775	.03						
32	3963	305	.06	27	1950	801	.03						
31	4097	331	.05	28	2087	826	.04						
30	4231	356	.05	29	2223	851	.04						
	135	26			137	25							
+ 29	0.764366	7.96382	- 0.04	- 30	0.772360	7.97876	+ 0.05						
28	4500	407	.04	31	2497	901	.05						
27	4634	433	.03	32	2634	926	.06						
26	4769	458	.03	33	2770	951	.06						
25	4903	484	.03	34	2907	977	.07						
	134	25			137	25							
+ 24	0.765037	7.96509	- 0.02	- 35	0.773034	7.98002	+ 0.07						
23	5172	535	.02	36	3181	027	.08						
22	5306	560	.02	37	3318	052	.09						
21	5441	586	.02	38	3455	077	.09						
20	5576	611	.01	39	3593	102	.10						
	135	26			137	25							
+ 19	0.765710	7.96637	- 0.01	- 40	0.773730	7.98127	+ 0.11						
18	5845	662	.01	41	3867	152	.12						
17	5980	688	.01	42	4004	177	.13						
16	6114	713	.01	43	4141	203	.13						
15	6249	738	.01	44	4279	228	.14						
	135	26			137	25							
+ 14	0.766384	7.96764	0.00	- 45	0.774416	7.98253	+ 0.15						
13	6519	789	.00	46	4554	278	.16						
12	6654	815	.00	47	4691	303	.18						
11	6789	840	.00	48	4829	328	.19						
10	6924	865	.00	49	4966	353	.20						
	135	26			138	25							
+ 9	0.767059	7.96891	0.00	- 50	0.775104	7.98378	+ 0.21						
8	7194	916	.00	51	5241	403	.22						
7	7329	942	.00	52	5379	428	.24						
6	7464	967	.00	53	5517	453	.25						
5	7600	992	.00	54	5655	478	.27						
	135	26			137	25							
+ 4	0.767735	7.97018	0.00	- 55	0.775792	7.98503	+ 0.28						
3	7870	043	.00	56	5930	528	.30						
2	8006	068	.00	57	6068	553	.31						
1	8141	094	.00	58	6206	578	.33						
0	8277	119	.00	59	6344	603	.35						

**EXPLANATION OF THE CATALOGUE OF RECTANGULAR
CO-ORDINATES, ETC.**

The plates are arranged in order of Right Ascension and numbered consecutively.

At the head of each plate is given the zone, rotation number of the plate in the zone, epoch, and right ascension of the centre. In the centre of the page is inserted the limiting diameter D, for which the measures have been systematically verified by comparison with an overlapping area (see § IX.).

For each plate the stars are arranged in order of the *x* co-ordinate (approximately that of R.A.), except in the case of the components of a double or multiple star, where this order has been slightly departed from so as to bring the measures of the separate components into juxtaposition. The stars are numbered in rotation for purposes of reference as indicated by the heavy type at the head of each column and the ordinary type in the first column. For easy identification the sign of the *x* co-ordinate is inserted for the first and sixth stars of each group.

In Column 1

The figures indicate the ordinal number of the star on the following line.

S denotes a Standard Star.

* that three images of the star are visible on the plate.

† that the measured image falls on a réseau line.

‡ that three images are visible and that the measured image falls on a réseau line.

[, if opposite a single star only, that the star is suspected of duplicity, but that the images of the components are not clearly separated and have been measured as one mass. A note is added when the duplicity was certain but the components not so clearly separated as to be measured separately.

The same symbol, if connecting adjacent lines, indicates that the images have been regarded as components of a double or multiple star, but separately measured.

N or *n* indicates that the star concerned is referred to in a footnote. N refers to the observations for the present catalogue, *n* to the C.P.D. results.

M, *m*, etc., have the same significance as in column 5.

Columns 2, 3 contain the measured rectangular co-ordinates.

The original measures were confined to star images contained within the extreme réseau lines 2, 26, 31, 55, so that the uncorrected co-ordinates lie within the limits $x = \pm 59' \cdot 8$, $y = \pm 59' \cdot 8$.

Column 4 contains the observer's estimate of the diameter of the measured image expressed in intervals of the close parallel webs in the micrometer (about $4''\cdot 5$) as unit, or, in the case of the fainter stars, the estimated density of the photographic image on a scale, indicated by the prefix of a minus sign, extending from — 1, for the brightest stars which fail to attain the full density of the larger images, to — 5, for the faintest stars visible. The quantity D is printed in the heading of this column.

Column 5 contains the number of the star in the *Cape Photographic Durchmusterung*, and notes resulting from the revision of the plates, for a full explanation of which reference may be made to § IX. When the mass of two or more consecutive stars is given in the C.P.D., the number and magnitude are printed between the two lines, or the dots (.) are omitted on lines adjacent to the number.

Column 6 gives the magnitude of the star extracted from the *Cape Photographic Durchmusterung*.

The initials of the observers, to be interpreted as in § X., are inserted at the foot of the opening page for each plate, together with the rotation numbers of the stars at which an interchange of observers took place.

S. S. HOUGH.

ROYAL OBSERVATORY, CAPE OF GOOD HOPE,
1916 May 12.

ROYAL OBSERVATORY, CAPE OF GOOD HOPE.

RECTANGULAR CO-ORDINATES 1900.0

FOR

ASTROGRAPHIC ZONE -47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.
1-60																	
I	-57°995	-38°096	1°30	47.10077	9·4	6I	-14°336	+ 9°178	- 1	...	...	12I	+30°731	-28°732	- 4	...	...
S *	57°842	-12°656	0°70	...	...	...	13°569	+ 8°964	- 4	M	...	...	31°328	-32°703	- 3	...	...
...	57°720	+23°549	- 5	E	...	...	13°544	-46°526	0°70	...	...	...	32°778	-46°325	0°70	...	...
...	56°781	+26°293	0°85	...	...	S *	12°793	-37°004	2°80	47. 6	7·3	...	32°959	+20°071	- 3	...	...
...	56°634	-19°159	- 5	...	...	*	12°294	+ 6°216	1°00	47. 7	10·0	*	35°210	+10°668	1°20	46. 12	9·4
*	-56°259	+14°596	1°10	46.10621	9·8	...	-11°849	-10°769	0°65	...	...	...	+35°360	+34°501	- 2	...	...
...	54°799	+23°355	- 1	E	...	*	10°429	+38°183	1°00	46. 6	10·0	...	35°879	-7°573	0°85	...	...
...	54°336	+34°491	- 1	...	...	...	9°787	-36°627	0°85	...	...	...	37°417	+22°144	- 5	m	...
*	54°121	-9°403	1°20	47.10078	9·8	*	7°370	-11°930	1°00	47. 8	9·8	...	38°374	+35°261	- 4	m	...
...	52°219	+33°811	0°70	...	...	†	6°954	- 5°059	- 5	M	...	...	40°214	-25°076	0°85	...	...
II	61-120																
...	-51°235	+30°944	- 2	E	...	7I	- 6°904	-27°084	- 5	...	...	...	+40°283	-32°061	- 5	...	...
...	51°229	+ 9°296	- 5	M	...	S *	6°864	+42°036	5°00	46. 7	5·7	...	40°352	-32°640	0°75	...	...
...	50°696	+16°758	- 5	E	...	...	5°304	-45°161	0°70	...	...	...	40°485	-7°297	- 5	...	...
S *	50°338	+39°095	1°50	46.10623	8·8	S *	4°807	+ 4°138	1°40	47. 9	8·8	...	43°221	+18°687	- 4	...	...
...	49°742	+24°610	- 2	E	...	...	4°643	-23°876	- 3	...	...	...	44°718	+ 8°108	- 5	e	...
...	-48°195	+ 1°498	- 5	M	...	...	- 2°686	+11°326	- 4	M m	...	...	+45°569	+52°893	- 3	...	...
...	46°783	-13°273	0°70	...	...	...	1°592	+48°369	- 5	M m	...	...	45°779	+31°541	- 5	m	...
...	46°207	+34°205	- 5	M	...	...	1°554	-23°020	- 3	...	...	S *	47°318	-10°747	1°70	47. 15	8·6
...	45°311	+ 0°759	- 5	M	...	...	1°182	-25°539	- 5	...	...	*	48°742	+24°226	2°95	46. 14	7·5
†	44°952	+ 0°277	- 5	M	...	...	- 0°294	+37°297	0°85	46. 8	10·2	...	48°981	+32°447	0°65	...	...
2I	121-157																
*	-42°212	- 6°939	1°00	47.10079	10·0	...	+ 0°726	+13°182	- 5	M m	...	*	+52°157	+27°576	1°20	46. 15	9·2
...	41°778	+53°011	- 5	M	...	...	3°995	+23°793	- 5	M m	...	...	52°228	+17°989	- 3	e	...
*	41°724	-24°180	1°05	47.10080	9·8	...	4°792	-18°323	- 4	...	...	...	52°746	-29°685	- 4	...	...
...	41°458	-46°507	- 4	...	...	*	5°305	-59°270	1°00	48. 7	10·2	...	52°987	-59°154	1°00	48. 15	10·0
...	41°386	+ 4°230	0°85	...	...	*	6°205	-39°791	1°05	47. 10	9·8	...	53°590	+23°322	1°00	46. 16	10·0
α +	-40°583	+ 0°006	1°00	47.10081	9·4	...	+ 6°595	+12°356	- 2	M m	...	...	+53°645	-32°928	- 1	...	...
...	38°687	+38°914	- 5	M	...	...	6°928	+10°389	- 3	M m	...	...	54°660	-11°705	- 3	...	...
...	37°153	-46°883	- 5	M	...	...	7°096	+ 4°134	0°90	47. 11	10·2	†	54°680	+56°086	- 4	e	...
...	36°824	+ 5°274	0°70	A	...	...	7°537	- 3°895	- 5	M	...	†	54°698	+23°543	1°00	46. 17	10·2
...	35°910	+ 4°635	0°70	...	...	...	7°617	- 2°053	- 5	M m	...	...	55°415	+56°185	- 5	e	...
3I	9I																
†	-35°577	- 5°020	- 5	...	...	...	+ 7°716	+23°917	- 5	M m	...	*	+55°660	+10°680	0°95	46. 18	10·0
...	35°132	-28°437	0°70	...	...	...	7°792	+55°613	0°85	...	...	...	56°183	-11°670	- 3	...	...
...	34°326	-59°504	- 5	M	...	...	8°571	+ 8°328	- 1	b	...	*	56°888	-48°773	1°10	47. 16	10·2
*	34°086	-40°351	1°00	47. 1	10·2	...	8°997	-56°356	- 5	M m	...	...	57°108	-14°913	- 5	...	...
*	33°882	-44°215	0°90	...	...	*	9°079	-56°964	0°95	48. 8	10·4	S *	58°541	+11°756	2·20	46. 19	8·0
*	-33°366	+34°573	1°40	46. I	9·2	...	+ 9°434	-57°512	0°80	...	...	...	+58°680	- 9°609	- 5	...	...
...	32°088	+ 0°420	0°90	...	...	†	9°972	+54°865	0°70	...	...	...	59°178	+46°453	- 5	e	...
...	30°469	-32°819	0°75	...	...	...	10°522	+48°449	- 5	m	...	...	...	...	...	...
...	30°372	+16°798	1°00	46. 2	10·0	...	10°660	+23°578	0°90	...	...	...	...	...	...	...
...	29°740	-25°057	- 5	...	...	S *	13°589	-34°592	1°30	47. 12	9·4	...	...	...	...	...
4I	10I																
...	-29°431	-29°433	- 3	...	...	*	+13°987	+12°469	1°00	46. 9	10·0	...	...	...	...	...
*	29°111	+31°834	1°00	46. 3	9·6	...	15°844	-14°326	- 5	...	...	...	...	...	...	...
...	28°705	+28°557	- 3	M	...	*	15°904	-38°377	1°00	47. 13	9·8	...	...	...	...	...
*	27°547	-41°746	1°20	47. 2	9·6	...	17°983	+51°559	- 4	m	...	...	...	...	...	...
*	27°214	-11°278	1°20	47. 3	9·8	...	18°424	+16°982	0°90	...	...	...	...	...	...	...
...	-26°770	+18°865	- 4	M	...	...	+18°810	-48°448	0°70	...	...	...	...	...	...	...
...	26°048	+23°936	- 5	M	...	...	19°081	+36°187	- 5	m	...	...	...	...	...	...
...	25°953	+ 0°093	- 5	M	...	...	20°085	-44°790	- 5	...	...	...	...	...	...	...
S *	24°153	- 6°154	1°70	47. 4	8·6	S *	20°771	+42°837	1°50	46. 10	8·8	...	...	...	...	...
...	24°084	-19°699	0°90	47. 5	10·2	...	21°084	- 2°771	- 5	...	...	...	...	...	...	...
5I	III																
...	-22°943	+17°831	0°85	...	...	...	+21°477	+53°100	- 3	m	...	...	...	...	...	...
...	22°849	+20°242	- 3	...	...	...	22°777	-49°638	- 4	...	...	...	...	...	...	...
...	22°806	+49°121	- 4	...	...	...	22°844	+50°294	0°75	...	...	...	...	...	...	...
...	20°955	-44°398	- 5	M	...	...	24°287	+ 6°423	0°80	...	...	...	...	...	...	...
...	19°473	-24°710	- 5	...	...	*	26°082	-48°596	1°00	47. 14	10·2	...	...	...	...	...
...	-18°364	-37°761	- 5	M	...	*	+27°877	+36°738	1°40	46. 11	9·2	...	...	...	...	...
...	18°362	+20°553	- 1	...	...	...	28°291	+41°953	0°85	...	...	...	...	...	...	...
*	18°345	+31°876	1°10	46. 5	9·8	...	28°703	- 6°852	- 3	...	...	...	...	...	...	...
...	17°985	+23°602	- 5	M	...	...	28°843	+42°878	- 3	m	...	...	...	...	...	...
...	15°486	-39°843	- 4	...	...	...	30°725	+43°169	0°80	...	...	...	...	...	...	...

NM measured from 1, 8I.

C , , , 40, 120.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		
1-60						61-120						121-180							
I	-59.711	+18.428	-4	o	...	61	-18.465	+12.241	-5	M	...	121	+17.719	+38.573	0.85	o	...		
...	58.428	+52.699	-3	...	...	...	17.766	+13.954	-5	M	...	...	20.174	+59.804	0.70	...	...
S *	57.863	+7.910	-5	E	...	*	17.208	+1.955	1.05	47.	20	10.2	...	20.463	+20.060	-3	m	...	
...	54.654	-10.858	1.70	47.	15	8.6	15.762	+37.807	-5	M	...	...	20.589	-3.848	-5	...	...
...	54.370	+32.364	-3	†	15.176	+20.727	9.80	46.	24	10.2	...	21.003	+48.761	-5	m	...	
*	-54.326	+24.140	2.90	46.	14	7.5	S *	-14.882	-5.318	3.50	47.	21	7.0	S *	+22.754	+8.273	1.60	47.	29
*	51.027	+27.597	1.20	46.	15	9.2	...	14.569	-59.091	-5	M	23.043	+44.836	-5	m	...	
...	50.657	+18.018	-4	E	...	...	14.078	-15.216	0.85	...	...	...	23.585	+51.936	0.90	...	...
...	49.782	+21.958	-5	M	...	...	13.051	-43.743	0.80	...	...	...	25.914	-7.318	-3	...	...
*	49.484	+23.393	1.00	46.	16	10.0	S *	12.969	+21.672	1.55	46.	26	9.0	...	26.590	+6.004	-5	m	...
II	-49.417	+56.165	-4	E	...	*	-12.909	+26.795	1.15	46.	25	9.6	131	+26.836	-5.723	-3	
...	48.685	+56.296	-5	E	...	...	12.633	+56.921	-5	M	...	...	27.498	+10.036	0.75	...	...
...	48.639	-29.606	-3	...	...	...	12.622	+3.069	-4	M	...	...	27.930	-42.577	0.90	...	...
...	48.363	+23.648	0.90	46.	17	10.2	*	11.668	-11.565	1.00	47.	22	10.0	*	28.686	+9.522	1.40	46.	30
...	47.630	-32.828	-2	...	...	†	10.206	+27.552	-1	...	...	...	28.731	-48.605	-5	...	...
*	-47.447	-59.047	1.00	48.	15	10.0	...	-8.644	+34.897	-3	B	+28.990	-31.417	-2	
...	47.304	-11.577	-2	...	...	†	8.283	-9.725	0.70	...	...	...	29.476	-14.147	-5	...	...
*	47.000	+10.838	1.00	46.	18	10.0	...	7.827	+41.617	-5	M m	30.037	-36.869	-5	m	...	
...	45.768	-11.489	-3	...	...	...	7.493	+21.630	-3	M m	...	...	30.796	-53.759	-5	m	...
...	44.745	-14.695	-5	...	...	...	7.205	+25.715	0.75	B m	...	...	31.177	-53.179	1.00	48.	33
21	-44.616	+46.689	-5	E	...	...	7.021	+45.517	-5	M m	...	141	+31.452	-23.293	0.85	...	...
S *	44.145	+11.996	2.20	46.	19	8.0	...	6.529	+34.761	-2	M m	31.465	-5.389	-5	m	...	
*	43.892	-48.550	1.10	47.	16	10.2	*	6.233	-3.292	3.00	47.	23	7.9	S *	31.688	-7.112	1.70	47.	30
...	43.520	+56.514	-5	M	...	...	4.960	-17.952	-5	...	...	...	31.960	-56.092	-1	...	...
...	43.345	-9.355	-5	...	...	...	4.672	-42.818	-5	m	...	*	32.076	+54.130	1.00	...	...
...	-40.959	+6.504	0.70	...	...	...	4.455	+39.804	-5	M m	...	...	+32.144	-15.661	-1	...	...
*	39.670	+33.769	1.10	46.	20	9.4	...	4.211	-48.489	0.70	*	32.218	+57.429	1.80	46.	31	
...	39.109	-17.285	-5	M	...	...	3.424	+13.202	0.70	m	...	...	32.916	-17.129	-5	m	...
...	38.823	-27.810	-4	M	...	...	2.627	+39.002	0.80	...	...	...	33.340	-22.385	0.70	...	...
...	38.122	+8.384	-4	M	...	*	0.755	-21.111	0.95	47.	24	10.2	...	33.503	-48.651	-5	m	...	
31	-36.671	-16.782	0.65	91	-	-	-	-	-	151	+33.550	-19.946	1.60	47.	31	
...	36.422	-42.957	0.85	+	0.707	+42.194	0.95	46.	27	10.2	*	33.978	-51.517	1.10	47.	32
S *	36.143	+49.817	1.70	46.	21	8.6	...	1.036	+59.234	-3	m	34.039	+46.956	0.65	b	...	
...	35.764	+31.747	-5	M	...	*	1.069	+42.190	-2	m	...	...	34.740	+38.729	0.70	...	...
...	35.652	-27.656	-5	1.684	-17.440	1.00	47.	25	10.2	†	35.290	-5.798	0.75	
...	-35.246	+49.776	-1	...	...	...	2.019	-33.246	-4	...	...	...	+36.853	-3.880	0.65	...	...
...	34.338	+59.612	0.90	2.660	+21.865	-1	S *	37.125	+49.191	1.30	46.	32	
...	33.790	-52.205	-3	...	...	...	2.830	-9.063	-5	M	...	...	37.777	+5.561	1.30	47.	33
*	32.706	-7.849	2.80	47.	17	7.3	...	3.086	+42.935	-1	M m	38.030	-52.595	-5	m	...	
...	32.573	+51.619	0.80	...	...	...	3.213	+23.726	-5	M m	...	...	39.220	-1.965	-1	...	...
41	-32.429	-39.660	0.70	S *	3.743	+43.978	1.30	46.	28	9.2	161	+39.807	+25.540	-5	m	...
*	31.446	-14.891	1.20	47.	18	9.4	...	3.992	-39.462	-3	39.856	-56.573	1.10	48.	34	
...	30.960	+52.974	-3	M	...	...	4.692	+20.485	0.80	...	...	*	40.050	+2.181	1.60	47.	34
...	30.438	-6.446	-5	...	...	...	6.898	+55.435	-4	M m	...	...	40.357	-38.951	-5	m	...
...	27.909	+45.476	-5	M	...	...	7.508	-29.505	-4	...	...	...	40.659	+25.432	-4	m	...
...	-26.161	+28.373	-5	M	...	*	10.038	+16.717	-4	m	...	...	+40.889	-44.606	1.05	47.	35
...	26.002	-17.667	0.80	*	10.480	+2.824	1.00	47.	26	9.8	...	41.705	+42.714	-1	b	...	
*	25.629	+6.526	1.70	47.	19	9.0	...	10.532	-51.392	1.05	47.	27	9.8	...	41.958	+51.466	1.50	46.	33
...	25.002	-59.320	0.70	...	...	...	11.473	-6.277	-5	...	...	*	42.267	-20.835	0.75	...	...
...	23.493	+53.735	-5	M	...	...	12.464	-19.413	-5	...	...	...	42.434	-15.787	0.70	...	...
51	-23.281	+45.456	-1	B	131	+12.823	+18.254	-4	m	...	171	+42.509	+41.734	-5	m	...	
*	21.461	+43.006	1.60	46.	22	9.4	...	12.885	-19.206	-3	42.578	+37.907	0.80	b	...	
...	21.379	+3.330	0.70	...	...	...	13.576	+51.743	-3	m	...	...	42.663	-33.175	0.65	...	...
...	20.568	-31.467	0.85	...	...	...	13.872	+38.958	-4	m	...	...	42.730	+32.290	0.75	...	...
...	20.268	+5.279	-3	M	...	...	13.925	+36.744	-5	m	...	...	43.222	-15.311	-4	e	...
*	-19.894	+40.849	1.60	46.	23	9.0	...	+14.338	+43.193	0.95	46.	29	10.2	...	+43.457	+46.854	0.90
*	19.810	-53.346	1.00	48.	22	10.4	...	14.384	-58.160	-3	S *	43.671	-32.202	1.50	47.	36	
...	19.717	-52.537	-5	M	...	...	16.741	+21.982	-4	m	...	...	43.753	+4.506	-5	m	...
...	19.464	+14.249	-5	M	...	...	16.891	+43.980	-5	m	...	...	44.390	-5.721	0.85	...	...
...	18.585	-12.856	-3	S *	17.355	-44.101	1.20	47.	28	9.4	...	44.589	-22.895	-5	m	...

C measured from 1. 91.
NM 45. 138.

- 47°

No. 2

CAPE ASTROGRAPHIC ZONE.

1903·67

0^h 15^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0·65.	No.	Mag.		x.	y.	0·65.	No.	Mag.		x.	y.	...	No.	Mag.
181-200																	
181	+45·182	+6·723	-3	m	...	201	+54·252	-53·851	-5	o	...	...			
...	45·820	-36·613	-1	...	...	...	54·572	+35·329	0·80	...	...	...		
...	46·307	+12·601	0·70	e	...	...	55·484	+10·512	0·80	e	...	...			
...	46·767	-18·038	0·65	...	...	...	55·859	-18·575	-5	...	...	...		
...	48·919	+31·307	-5	m	...	*	55·942	-29·220	1·40	47·37	9·2	...					
...	+48·921	-47·148	0·80	...	...	...	+56·187	-30·339	-5	m	...	...			
...	49·493	-47·377	-5	m	...	...	56·701	+47·957	1·00	...	...	...		
...	49·911	+8·572	0·90	...	...	...	56·992	-17·815	0·85	...	...	...		
...	50·524	+24·649	-5	m	...	...	57·525	-20·035	-5	m	...	...			
*	50·781	+21·932	1·00	...	...	...	57·621	-7·418	-5	m	...	...			
191	+51·493	+48·192	-5	m	...	211	+57·834	-52·963	-4	...	...	...		
...	51·642	+45·750	-5	m	...	...	59·574	+46·923	-5	m	...	...			
...	52·135	+57·686	-5	m	...												
...	52·217	+37·842	0·85	e	...												
...	52·228	+33·913	-5	e	...												
...	+52·301	-19·079	-4	...	...										
...	52·310	+5·139	0·75	e	...												
*	52·806	-30·045	1·00	...	...										
...	53·399	+1·675	-5	m	...												
...	53·513	-47·509	0·90	...	...										

- 47°

No. 3

D,-2

1904·87

0^h 25^m

1-30						31-60						61-90					
I	-60·018	-44·937	1·00	47·35	9·8	31	-40·478	+56·842	-1	° B	...	61	-19·033	-28·676	-3	o	...
†	59·405	-21·111	-2	...	...	S*	39·380	-31·940	1·40	47·38	9·4	...	18·598	-44·263	0·65	...	...
...	59·392	-16·058	-4	...	...	...	38·661	-24·715	0·90	...	...	*	17·857	-2·963	1·60	47·43	9·6
...	58·625	-15·571	-5	E	...	...	36·157	-37·237	-4	...	...	...	15·865	+37·165	-5	M	...
...	58·617	-33·425	-4	...	...	...	35·842	-5·114	1·00	47·39	9·8	N*	[15·817	+34·771	2·80	46·41	8·2
...	-57·771	-5·923	0·90	...	...	*	-35·749	+19·079	1·20	46·37	9·8	...	-15·445	-3·249	-5	M	...
S*	57·629	-32·422	1·60	47·36	9·4	...	34·764	-13·624	0·65	...	...	...	15·085	-0·387	-5	...	...
...	56·436	+12·434	0·75	E	...	...	34·625	+13·032	-5	M	...	...	10·453	+46·519	-3	M	...
...	55·352	-36·768	-5	...	...	...	33·755	-48·144	1·00	...	...	...	10·384	-43·794	-5	M	...
...	54·988	-18·168	-4	...	...	...	32·810	-19·034	-5	...	...	...	9·191	+33·406	-4	M	...
II	-52·709	+8·528	0·95	...	...	41	-32·653	+32·167	0·70	...	...	71	-9·063	+9·625	1·20	...	...
...	52·262	+21·908	1·00	...	...	...	32·504	-41·048	-5	...	...	...	8·016	-30·439	0·90	...	...
...	51·908	-47·203	0·65	...	...	...	32·306	+54·725	0·90	...	...	*	7·879	+35·260	1·60	46·42	9·8
...	51·326	+37·873	-1	E	...	...	31·541	+26·931	0·95	...	...	...	7·132	-54·940	-5	Mm	...
...	51·221	+33·938	-5	E	...	...	29·978	-55·775	0·65	...	...	...	5·585	+55·286	-4	Mm	...
...	-50·192	+5·183	-2	E	...	...	-29·690	-21·440	-5	...	...	S*	-5·584	+46·200	2·50	46·43	8·0
...	49·444	-19·027	-5	...	...	*	29·420	-36·601	1·30	47·40	9·8	...	5·482	-10·794	-1	...	...
...	48·894	+35·423	0·65	...	...	...	28·272	+31·526	1·00	46·38	9·8	...	4·966	-14·158	0·65	...	...
†	48·571	-29·987	0·85	...	...	...	28·213	-49·360	1·00	47·41	9·8	*	4·961	-29·499	1·90	47·44	9·0
...	47·302	-47·415	0·65	...	...	...	27·484	+32·980	-5	M	...	...	4·959	+33·554	1·10	46·44	9·8
21	-47·212	+10·636	-1	E	...	51	-24·414	-36·136	1·20	47·42	9·8	*	-4·693	-31·680	1·30	47·45	9·8
...	47·169	+48·124	0·95	...	...	...	24·372	+11·728	-1	...	...	...	4·050	+8·573	-3	Mm	...
...	46·387	-53·721	-5	...	...	...	23·658	-52·195	0·70	...	...	*	4·040	+24·700	1·60	46·46	9·4
*	45·457	-29·061	1·40	47·37	9·2	S*	23·527	+13·738	1·60	46·39	9·0	...	3·808	+19·434	1·05	46·47	9·8
...	44·789	-17·626	0·80	...	...	...	23·242	+15·709	0·65	...	...	...	3·767	-6·854	1·05	...	...
...	-42·982	+25·246	-4	M	...	...	-22·332	-18·698	0·80	...	...	...	-1·868	+57·425	-5	Mm	...
...	42·817	-52·720	-4	...	...	...	21·631	+3·098	-5	M	...	*	1·479	-25·946	1·05	...	...
...	41·486	+33·530	-3	M	...	...	21·403	-55·823	-5	M	...	...	0·926	-47·238	-5	Mm	...
...	40·924	-59·306	-5	...	...	...	21·106	+11·071	0·75	...	...	*	-0·442	+31·721	1·40	46·48	9·6
...	40·685	+54·088	1·40	46·35	9·8	...	20·365	+53·585	-4	M	...	S*	+ 1·359	-14·126	1·70	47·46	8·9

C measured from 1, 90.
NM " " 45, 125.

65. Mass. 46° 3, two stars.

0^h 25^m

4

- 47°

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.				
	x.	y.	-z.	No.	Mag.			x.	y.	-z.	No.	Mag.			x.	y.	-z.	No.	Mag.				
91-120										121-150										151-158			
91	+ 1·463	+ 15·127	1·20	46. M	49	9·6	121	* + 25·569	- 39·287	1·00	47. M	53	9·8	151	+ 52·473	+ 41·954	0·90	°	...	...	
...	1·625	+ 58·054	- 5	M	m	...	*	25·699	- 36·536	1·60	47. M	54	9·0	...	* 53·241	- 4·060	1·10	47.	59	9·8			
*	3·094	- 57·225	1·40	48. M	43	10·0	...	27·818	- 16·034	0·85	...	...	...	*	54·823	- 43·326	2·00	47.	60	8·6
†	4·380	+ 20·009	0·75	...	...	...	*	28·723	- 22·203	0·65	...	...	...	...	55·624	- 53·063	- 5	...	...	...
...	4·439	- 1·150	- 5	...	...	...	*	29·893	- 10·215	1·60	47. M	55	9·6	...	56·583	+ 15·734	0·80	...	...	...
*	+ 4·615	- 34·116	1·20	47. M	47	9·2	...	+ 32·949	- 36·145	- 1	...	...	...	...	+ 57·089	- 39·322	- 5	...	...	...
*	4·849	+ 40·739	1·00	46. M	50	9·8	S*	34·358	- 30·391	3·20	47. M	56	7·0	...	57·528	+ 14·225	- 2	...	...	...
...	4·957	+ 2·232	0·80	M	...	...	...	34·636	- 21·173	- 5	M	...	...	...	59·258	+ 52·937	- 1	...	...	...
...	6·065	- 41·894	0·70	...	...	...	...	36·853	- 47·892	- 5	...	...	...	...					
S*	6·802	- 35·295	2·40	47. M	48	8·0	...	36·896	- 32·276	- 5	...	...	...	...					
101	* + 7·411	- 25·418	1·60	47. M	49	8·9	131	+ 39·736	- 3·851	1·05	47. M	57	9·8	...									
...	7·782	+ 32·479	- 5	M	m	...	...	40·579	+ 39·029	0·90	...	...	...	...					
...	9·179	- 24·468	- 3	...	...	...	...	41·747	- 52·203	- 4	...	...	...	...					
...	9·348	- 49·490	- 4	...	...	...	...	42·685	- 14·739	- 5	M	...	...	...						
...	9·543	+ 22·451	- 2	...	...	...	...	43·183	+ 34·298	0·90	...	...	...	...					
...	+ 12·704	+ 3·953	- 3	...	...	...	...	+ 43·458	- 11·085	0·85	...	...	...	...					
...	12·776	+ 12·902	1·00	...	...	...	...	44·018	- 44·337	0·80	...	...	...	...					
...	15·178	- 49·735	- 3	...	...	...	...	44·472	- 32·195	- 5	...	...	...	...					
S*	16·040	+ 32·731	2·70	46. M	51	8·0	*	44·532	- 2·817	1·10	47. M	58	9·8	...									
...	16·106	- 32·427	- 5	...	...	...	...	46·851	- 40·759	0·75	...	...	...	...					
111	+ 17·388	+ 9·905	0·90	46. M	52	9·8	141	+ 47·834	- 40·435	- 5	M	...	...	...						
...	18·477	+ 57·144	0·85	...	...	...	...	48·595	- 39·326	- 3	...	...	...	...					
...	18·886	- 58·509	0·90	...	...	...	...	49·487	- 44·966	0·80	...	...	...	...					
...	19·009	+ 53·926	0·75	...	...	...	...	50·008	- 9·202	- 5	M	...	...	...						
*	19·194	- 23·778	1·20	47. M	50	9·6	...	50·404	+ 18·969	- 5	e	...	...	...						
S*	+ 21·088	- 46·783	1·60	47. M	51	9·0	...	+ 50·924	+ 0·665	- 1	e	...	...	...						
...	21·966	+ 5·635	1·00	47. M	52	9·8	...	51·053	- 25·684	- 5	...	...	...	...					
...	23·259	+ 3·008	0·75	...	...	...	...	51·398	+ 16·354	- 5	e	...	...	...						
...	23·429	- 4·703	- 4	...	...	...	...	51·594	- 35·287	- 1	...	...	...	...					
...	24·817	- 12·887	- 5	...	...	...	...	52·354	- 42·733	0·65	...	...	...	...					

I	1-20					21-40					41-60										
	- 58·523	- 11·338	1·00	°	...	...	- 44·993	- 53·805	- 5	°	...	...	...	...	...	
21										31											
...	- 57·711	- 3·033	1·40	47. E	58	9·8	...	44·803	+ 53·159	- 4	...	...	...	...	* 26·441	- 47·845	1·60	47.	63	9·2
...	56·915	- 44·540	- 1	...	...	...	...	44·007	- 39·120	- 4	...	...	...	...	S* 26·160	- 48·996	2·30	47.	64	8·4
...	54·189	- 40·889	0·75	...	...	...	*	43·647	+ 41·281	2·20	46. M	54	9·2	...	26·031	- 45·674	- 4	...	...	...
...	52·786	- 20·213	- 5	...	...	...	S*	41·995	+ 5·229	1·70	47. M	61	8·8	...	25·843	- 23·050	- 4	...	...	...
...	- 52·543	+ 18·919	- 5	E	...	...	...	- 41·542	- 6·423	- 5	M	...	...	...	- 25·607	+ 13·170	- 1	B	...	...
...	52·483	- 39·396	- 4	...	...	...	...	40·699	+ 41·706	- 1	...	...	...	...	25·343	- 46·845	- 5	...	...	...
...	51·484	+ 16·348	- 5	E	...	...	...	40·566	- 10·320	- 5	...	...	...	...	24·479	- 26·244	1·00	...	...	...
†	51·439	- 44·987	0·75	...	...	...	...	40·107	- 24·006	0·75	...	...	...	...	* 23·789	- 25·534	1·00	...	...	...
...	51·438	+ 0·659	0·85	E	...	...	...	38·421	+ 32·070	- 5	M	...	...	...	23·165	+ 44·978	1·00	46.	56	9·8
II	- 51·220	+ 41·966	1·00	- 38·169	+ 45·680	0·80	51	* - 22·897	- 46·892	1·40	47.	65	9·3
...	50·475	- 25·674	- 5	36·789	+ 38·851	- 5	M	22·073	- 36·115	1·00
...	49·628	- 35·267	- 4	36·780	+ 32·408	- 4	M	19·068	- 52·12	- 5
*	48·954	- 3·991	1·30	47. M	59	9·8	...	36·123	- 53·385	- 5	M	19·798	+ 4·368	1·40	47.	66	9·6
...	48·617	- 42·699	- 5	...	...	...	...	34·492	- 24·526	- 5	...	...	...	...	19·123	- 44·428	0·70	...	...	...
...	- 47·393	- 26·222	- 5	...	...	...	...	34·121	- 29·601	- 3	...	...	...	...	- 19·008	+ 42·742	0·80	...	...	...
...	46·260	+ 15·902	0·85	...	...	...	...	34·070	+ 11·981	0·80	...	...	...	...	18·889	- 51·656	0·95	48.	59	10·4
*	46·114	- 43·203	2·40	47. M	60	8·6	...	32·968	+ 10·114	1·00	46. M	55	9·8	...	18·325	+ 53·505	1·20	46.	57	9·8	
...	45·622	- 10·525	- 5	...	...	...	...	32·683	- 42·756	- 5	M	...	...	...	18·187	+ 18·843	1·00	...	...	...
...	45·266	+ 14·419	- 1	...	...	...	...	31·602	- 8·187	1·00	...	...	...	...	17·980	+ 7·509	- 4	M	...	...

NM measured from 1, 90.
C " " 41, 137.

Images diffused; faint stars difficult to measure.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-r.	No.	Mag.	x.	y.		-r.	No.	Mag.	x.	y.	-r.	No.	Mag.			
61-110																				
6I	-17·491	-28·964	1·00	o	III	+12·038	+59·516	-5	o	m	...	16I	+47·198	-33·666	1·40	47.	79	9·0
...	16·998	+19·587	-1	*	12·800	-37·164	1·80	47.	73	8·8	S*	48·349	+28·006	1·40	46.	68	8·9
++	15·044	+22·895	1·00	46.	58	9·8	*	14·460	-34·503	1·00	47.	74	9·8	S*	49·303	+50·976	-5	e
++	15·013	+57·934	1·40	46.	59	9·6	...	15·033	-23·777	0·80	49·480	-56·837	-4
...	14·381	-30·221	-4	15·671	-30·370	0·80	50·770	-18·028	-5	m
...	-13·777	+7·649	1·00	S*	+16·483	+21·921	5·00	46.	63	6·0	...	+51·127	-52·253	-1
S*	13·423	+32·790	3·00	46.	60	7·2	...	17·774	-21·194	0·70	a	51·376	-16·360	-3
...	12·886	+10·995	1·00	18·395	+26·208	0·70	b	52·932	-18·012	0·90
...	11·192	+7·258	0·95	47.	67	9·8	...	19·075	+39·228	-5	m	53·906	-7·424	-3
...	10·549	-53·716	1·20	48.	60	10·4	...	20·591	+58·622	-5	m	53·914	+22·398	-3	e
7I	-9·317	+35·581	-3	M	I2I	+21·052	+42·109	-5	m	I7I	+54·288	+56·338	0·80	46.	69	9·8
...	8·415	+44·037	-4	M	21·287	+42·311	1·00	54·672	-1·771	1·20	47.	80	9·8
...	8·214	-38·132	-4	*	21·936	+22·482	1·00	55·012	+40·680	-5	e
...	8·211	-16·750	-5	M m	22·369	+37·121	0·80	57·168	+28·151	-3	e
*	5·644	-7·695	1·00	23·152	+33·019	-5	m	57·957	+38·945	1·00	46.	70	9·8
...	-5·174	-16·347	-3	+23·844	+57·380	-5	m	S*	+58·431	-42·433	1·10	47.	82	9·8
...	5·139	-49·049	-5	m	23·985	-18·962	0·70	58·938	-6·334	1·70	47.	81	8·8
...	4·577	+46·451	0·80	...	...	...	...	24·588	-18·590	-5	...	...	...	...	...	...	...	...	...
...	4·349	-14·179	0·90	...	...	...	...	25·988	+26·857	-5	m	...	...	...	...	...	...	...	...
...	4·153	+3·940	-3	M m	...	...	S*	26·960	+54·003	2·75	46.	64	8·2	...	...	...	...	...	...
8I	-3·281	-36·925	-4	...	...	...	I3I	+27·232	-7·993	-2	...	...	...	...	...	...	...	...	...
...	3·042	-59·160	-4	...	...	...	*	27·413	-8·038	1·05	47.	75	9·6	...	...	...	...	...	...
...	2·255	+29·158	-5	M m	...	...	...	28·150	-19·842	-1	b	...	...	...	...	...	...	...	...
...	1·936	-1·538	0·75	...	...	...	...	28·358	-5·972	-5	m	...	...	...	...	...	...	...	...
...	1·627	+7·632	1·00	47.	68	9·8	...	28·508	-34·061	-5	m	...	...	...	...	...	...	...	...
...	-1·391	-17·280	-2	...	...	...	S*	+29·339	-44·664	2·00	47.	76	8·4	...	...	...	...	...	...
...	1·215	-33·956	0·95	...	...	...	...	30·472	+35·555	-5	m	...	...	...	...	...	...	...	...
*	1·200	+19·803	1·40	46.	61	9·6	...	31·430	+7·426	-5	m	...	...	...	...	...	...	...	...
...	-1·070	-18·970	0·85	...	...	...	S*	31·743	+9·914	1·60	46.	65	8·8	...	...	...	...	...	...
...	+0·297	-30·230	1·10	47.	69	9·8	...	31·970	+32·506	-5	m	...	...	...	...	...	...	...	...
9I	+0·521	+8·788	0·90	...	...	...	I4I	+32·695	-42·595	-5	...	...	...	...	...	...	...	...	...
...	1·971	+55·072	-5	M m	...	...	...	33·082	+14·340	1·00	...	...	...	...	...	...	...	...	...
...	2·212	-3·830	0·70	...	...	...	*	33·087	+39·848	2·00	46.	66	8·6	...	...	...	...	...	...
S*	2·973	-27·833	2·20	47.	70	8·2	...	34·022	+3·553	-5	m	...	...	...	...	...	...	...	...
...	3·809	+52·172	-5	M m	...	...	*	35·586	-54·619	1·20	48.	72	10·2	...	...	...	...	...	...
+	4·074	+48·601	-4	M m	...	...	...	+35·812	+30·278	-5	m	...	...	...	...	...	...	...	...
*	4·163	-5·697	1·10	47.	71	9·8	...	36·946	+10·167	0·95	...	...	...	...	...	...	...	...	...
...	4·180	-39·124	-5	M m	...	...	...	36·968	+23·478	-5	m	...	...	...	...	...	...	...	...
...	4·731	+43·326	-2	M m	...	...	...	38·134	+9·487	-3	m	...	...	...	...	...	...	...	...
...	5·353	-38·253	0·90	...	...	...	*	39·107	-40·836	1·10	47.	77	9·8	...	...	...	...	...	...
10I	+5·370	-12·898	1·00	...	...	...	I5I	+39·315	+42·871	0·65	...	...	...	...	...	...	...	...	...
...	5·474	-30·200	0·80	...	...	...	*	40·726	-38·582	1·20	47.	78	9·8	...	...	...	...	...	...
...	5·964	+44·569	-5	M m	...	...	...	40·829	+39·453	-5	m	...	...	...	...	...	...	...	...
...	6·178	-55·526	0·65	...	...	...	...	42·448	-36·664	1·00	...	...	...	...	...	...	...	...	...
...	7·056	-3·411	-5	M m	...	...	...	42·908	-42·072	-5	m	...	...	...	...	...	...	...	...
...	+7·391	-58·228	-1	...	...	...	*	+43·083	+34·214	1·40	46.	67	9·0	...	...	...	...	...	...
...	8·139	+10·209	0·80	M	...	...	...	44·190	-55·210	1·20	48.	80	10·0	...	...	...	...	...	...
*	8·906	+28·604	1·00	46.	62	9·8	...	44·610	-54·183	1·20	48.	81	10·2	...	...	...	...	...	...
*	8·977	-36·704	1·00	...	...	...	...	45·565	-51·212	-5	...	...	...	...	...	...	...	...	...
*	11·490	-22·246	2·00	47.	72	8·8	...	47·127	-3·251	0·70	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.			
1-60						61-120						121-180								
I	-58.702	-36.921	0.65	0	...	61	-13.786	+43.733	1.30	46°	78	9.2	121	-21.421	-22.256	0.70	0	...		
...	56.350	-55.403	1.10	48.	80	10.0	* 13.076	+57.706	1.60	46.	79	9.6	...	21.618	-44.612	-4	
...	55.981	-54.374	1.00	48.	81	10.2	... 11.443	+15.375	-5	M	...	...	21.645	+49.191	-5	m	...	...
...	55.087	-3.374	0.85	...	...	...	10.407	+59.217	-4	M	...	...	22.676	-45.034	-5	...	...	...
S*	54.857	+27.896	1.50	46.	68	8.9	* 9.567	-1.850	1.00	47.	87	10.2	...	22.861	+30.020	-4	m	
...	-54.648	+50.895	-4	E	- 9.379	-39.658	1.60	47.	88	9.0	...	+22.972	-7.032	-3	
S*	54.045	-33.778	1.50	47.	79	9.0	... 9.134	+17.454	-5	M	...	...	23.164	-37.477	1.00	47.	97	10.2
...	51.022	-56.876	-5	...	...	...	8.443	+35.239	-4	M	...	...	23.195	+11.566	-5	m	...	...
...	49.850	+56.413	0.95	46.	69	9.8	... 7.191	+23.112	-5	M m	...	...	23.459	+8.816	-4	m	...	...
...	49.530	-52.232	-3	SN* 7.067	-14.618	4.00	47.	89	7.0	...	23.692	23.248	-2	m	
II	...	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-49.135	+22.476	-3	E	...	...	- 4.943	+15.523	-1	B m	...	...	+25.540	+53.661	0.90	...	...	...
...	48.817	-17.950	0.80	...	...	...	4.101	+18.038	-4	M m	...	...	26.479	-48.093	1.30	47.	98	9.2
...	48.591	+40.778	-4	E	* 3.872	-57.537	1.80	48.	92	9.0	...	26.812	-50.690	0.75	
...	48.170	-7.324	-4	...	...	...	0.412	+18.884	1.00	...	...	...	26.861	+26.742	0.80	...	...	...
...	47.933	+26.187	-5	M	0.311	-24.730	-4	M	S*	26.897	-50.879	1.40	47.	99	9.0	
*	-47.594	-1.662	1.00	47.	80	9.8	* -0.047	+11.202	1.00	46.	80	10.2	...	+27.166	+4.862	-2	m	
...	46.039	+28.338	-3	E	...	...	- 0.023	-23.883	-3	...	...	...	28.350	+28.030	-4	m	...	...
...	45.593	+39.135	1.00	46.	70	9.8	... +0.578	-46.040	-5	...	...	...	28.542	-3.137	-4	...	...	...
...	44.357	+29.844	-5	M	...	...	1.680	+40.927	-4	M m	...	...	29.256	-49.168	1.10	47.	100	9.6
*	43.735	+47.222	1.00	46.	71	9.8	* 1.765	-24.532	1.40	47.	90	9.2	...	29.712	+44.937	0.85	
21	...	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
S*	-43.180	-6.081	1.50	47.	81	8.8	... +2.085	+20.815	-5	M m	...	...	+30.938	-6.523	-2	...	...	...
*	42.531	-42.183	1.05	47.	82	9.8	... 2.571	+9.113	-1	B m	...	...	31.110	+38.607	-5	m	...	...
...	41.897	-15.977	0.90	...	...	...	2.823	-39.369	-5	...	...	...	31.452	-34.198	0.80	...	...	...
*	38.176	+56.069	1.30	46.	72	9.3	... 3.027	-49.092	-5	M	...	...	31.501	-17.528	0.70	...	...	...
...	37.750	-0.939	-4	...	...	...	3.069	+35.634	-4	M m	...	...	32.144	-50.193	1.60	47.	101	9.4
...	37.013	-5.489	-4	S* 3.742	-50.252	1.70	47.	91	8.4	...	+32.271	+10.900	1.30	46.	87	9.5	
...	36.373	+57.208	-5	M	...	...	4.344	-23.882	0.75	...	...	...	32.917	+38.779	-2	b	...	...
...	34.761	-11.703	0.80	S* 4.575	+30.977	1.60	46.	82	8.8	...	33.255	-38.608	-5	m	
...	34.142	+42.669	0.90	...	...	...	4.746	-19.932	-5	M	...	...	33.318	-53.592	1.60	48.	104	10.0
*	32.541	-16.789	1.05	47.	83	9.6	* 4.783	+29.828	-3	M m	...	...	33.531	-14.558	0.65	...	...	...
31	...	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-32.093	+21.336	0.70	+ 4.860	-54.973	1.05	48.	97	10.0	...	+35.101	-3.857	0.65	
...	29.585	+2.852	0.80	* 5.517	+30.848	1.00	46.	83	10.0	...	35.312	-35.042	1.10	47.	102	9.6	
...	29.551	+11.617	-4	M	...	...	5.750	+4.355	-2	M m	...	...	35.372	+38.191	-3	m	...	...
...	29.400	+47.252	0.70	B	...	...	6.169	-17.331	-4	...	...	...	35.536	+15.246	-4	m	...	...
...	29.341	-3.348	0.75	...	...	...	6.584	+11.878	0.70	M	...	...	36.326	-44.247	1.60	47.	103	9.6
...	-28.530	+20.160	-4	M	+ 8.208	-1.530	1.60	47.	92	9.2	...	+36.373	+48.881	0.80	
...	27.615	-3.635	0.80	...	...	...	9.369	-41.025	-5	...	...	...	37.261	-6.308	1.60	47.	104	9.4
*	26.942	-10.427	1.00	47.	84	9.0	* 9.457	-3.827	-5	...	...	...	37.465	-57.902	-5	m	...	...
†	26.286	-14.864	0.90	* 9.738	-41.274	2.40	47.	93	7.8	...	37.482	-49.789	-5	
...	24.040	-17.449	0.75	...	...	...	10.101	-55.802	-4	...	...	...	37.814	-38.366	-5	m	...	...
41	...	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
*	-23.898	-54.728	-1	...	...	...	+10.115	+32.153	0.90	...	...	...	+37.941	+39.431	-5	m	...	...
23.641	+8.730	1.50	46.	75	9.2	...	10.737	+11.134	0.70	...	...	...	38.182	+15.128	-4	m	...	...
22.810	-21.633	0.75	12.840	-35.062	-3	S*	38.716	+56.837	2.60	46.	88	7.8	
22.591	-6.800	0.70	12.939	-59.598	0.90	48.	98	10.4	...	38.924	-3.026	0.75	
22.487	+13.107	0.75	...	...	...	...	13.404	-3.489	-3	...	...	...	39.072	+27.938	-3	m	...	...
...	-21.926	-41.819	0.70	+14.433	+42.849	1.00	46.	84	9.6	...	+39.331	+18.165	1.40	46.	90	9.4	
...	21.918	-41.734	-5	...	...	...	14.969	-53.282	-5	...	...	...	39.679	-49.914	0.90	...	...	...
...	21.221	-35.035	-5	M	...	...	15.256	-30.100	-3	...	...	...	39.824	+9.719	-5	m	...	...
...	20.993	+33.184	-5	M	...	...	16.085	-11.921	-3	...	...	...	40.332	-58.848	1.60	48.	107	9.8
*	20.692	+11.533	0.95	46.	76	9.8	* 16.590	+2.939	1.00	47.	94	10.0	...	41.273	+3.745	0.90	
51	...	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-19.679	-21.055	0.80	...	...	...	+16.756	-49.565	-5	m	...	...	+41.359	+15.896	0.70	...	...	...
*	18.839	+7.372	1.20	47.	85	9.4	... 17.134	-1.054	-3	...	...	...	42.248	-30.389	0.70	...	...	...
...	16.624	-33.864	0.65	...	...	...	18.393	-8.114	0.95	...	...	...	42.590	-44.260	0.80	...	...	...
...	16.560	+6.571	-5	M	S*	18.520	+4.454	1.40	47.	95	9.4	...	42.626	+2.091	-2	e
...	16.197	-16.033	0.65	...	...	...	18.984	+8.128	0.70	a	...	...	45.928	+26.475	0.70	e	...	...
...	-15.795	+56.571	-1	B	...	...	+19.271	+25.178	-4	m	...	...	+46.789	-6.700	-5	...	...	...
*	15.044	+30.770	1.20	46.	77	9.8	... 19.465	-23.170	-5	...	...	...	47.687	+21.433	0.65	e	...	...
*	15.375	-4.984	1.60	47.	86	9.5	... 19.629	+28.754	-3	m	...	...	47.908	+36.365	0.95	...	...	...
...	14.423	-30.007	-5	M	S*	20.571	+48.469	1.20	46.	85	9.4	*	48.800	+33.769	1.10	46.	92	9.8
...	14.099	-15.168	-5	M	S*	20.738	-14.052	1.70	47.	96	8.8	...	49.008	+42.488	-5	e

C measured from 1, 76.
NM " " 32, 141.

70. Remeasure 1914, $y = -14'635$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-1.	No.	Mag.	x.	y.		...	No.	Mag.	x.	y.	No.	Mag.		
181-187																		
I 81	+52°780	+11°605	0°70	°												
...	53°823	-17°568	-5	...	...	...									
...	53°829	-18°174	0°80	...	...	...									
...	55°241	+6°458	0°65	e	...	...										
...	55°598	+3°991	0°65	e	...	...										
S N *	+56°745	-57°110	3°50	48.	109	7°5												
*	59°550	-11°236	1°00	...	...	...									

186. Remeasure 1914, $y = -57^{\circ}121$.

1-40						41-80						81-120						
I	-59°766	+1°824	0°70	° E	...	41	-27°626	+16°324	-3	° M	...	81	+2°708	+32°091	0°70	...	...
...	58°822	-39°666	-1	...	...	S *	27°164	-24°429	1°80	47. 106	8°4	*	3°037	+1°310	1°00	47. 115	1°00
...	58°423	-16°622	-5	M	...	...	26°722	+38°522	0°90	...	...	...	3°227	+28°318	0°70	M	...
...	58°317	-44°460	0°65	...	...	...	26°390	-9°627	0°80	...	...	...	4°223	-42°197	0°70	...	...
...	57°252	+26°312	-1	E	...	...	24°470	-5°194	-3	...	...	...	4°282	-5°290	0°80	...	...
...	-55°569	+36°255	0°75	...	...	...	-24°129	-36°027	0°90	...	...	...	+4°311	-49°151	-5	M m	...
...	55°323	-6°838	-5	...	...	...	23°244	-54°329	0°90	...	...	...	6°054	-40°417	1°00	47. 116	9°8
...	55°313	+21°325	0°65	E	...	...	23°043	+35°428	-4	M	...	...	6°158	-12°128	-4	...	...
...	54°679	+42°405	-5	E	...	...	22°780	-22°939	0°70	...	...	...	6°218	-1°200	-3	...	...
*	54°596	+33°679	1°10	46.	92	9°8	19°887	+42°737	-5	M	...	...	6°472	-12°490	-5	...	...
II				51								91						
...	-49°931	+11°667	0°70	...	...	...	-17°894	-56°969	-4	...	...	...	+6°800	+18°707	-5	M m	...
...	47°956	-17°457	-5	...	...	...	17°889	+13°056	0°75	...	...	...	7°028	-28°631	-5	M m	...
...	47°935	-18°071	0°80	...	...	*	17°854	-58°912	1°40	48. 113	9°4	*	7°226	+42°917	1°60	46. 99	9°4
...	47°304	+6°603	0°70	E	...	...	16°998	-40°015	-3	...	...	*	7°228	-19°506	0°95	...	...
...	46°882	+4°138	-1	E	...	...	16°928	-29°021	-4	...	...	...	8°394	+42°676	0°70	...	...
S *	-43°740	-56°904	3°50	48.	109	7°5	16°639	+35°974	-5	M	...	...	+9°347	-51°360	-5	M	...
...	43°395	+51°464	0°70	...	...	...	16°546	+2°453	-5	M	...	...	10°766	-45°936	-5	...	...
...	42°726	+16°514	0°80	...	...	*	14°267	+13°449	0°95	46. 96	10°2	*	11°488	+54°208	1°70	46. 100	8°9
...	42°434	-10°960	0°90	...	...	S *	10°470	-42°656	1°20	47. 107	9°4	...	12°504	+52°810	-5	m	...
...	42°133	+47°212	-5	M	...	*	9°966	-40°618	1°00	47. 108	10°2	...	13°565	-44°398	-1	...	...
2I				61								101						
...	-41°139	-16°298	-3	...	...	...	9°896	+25°689	-3	M	...	...	+13°753	-8°449	0°70	...	...
...	40°974	-34°841	0°90	...	...	...	8°625	+46°346	-4	M	...	...	13°765	-47°758	-5	m	...
...	40°673	-45°509	-3	...	...	*	7°605	-31°801	1°00	47. 109	10°0	...	13°788	+41°264	0°80	...	...
...	40°394	-47°719	-3	...	...	*	6°591	+5°380	1°20	47. 111	9°8	*	14°004	+57°491	1°20	46. 101	10°2
*	38°576	+18°144	1°05	46.	93	10°2	*	6°587	-3°441	1°60	47. 110	8°6	...	14°664	+24°513	-2	b	...
...	-37°682	+32°919	0°80	...	...	...	5°094	-10°153	-5	...	...	...	+15°277	-55°360	-5	m	...
...	36°899	+55°673	-5	M	...	...	5°084	+16°785	0°75	...	...	*	15°336	+7°071	2°00	47. 117	8°6
†	36°741	-44°676	-3	...	...	...	4°519	-31°137	0°80	...	...	*	15°707	+19°179	0°95	...	...
...	36°474	-41°704	0°80	...	...	*	3°674	-21°866	1°00	47. 112	10°2	*	16°614	+29°353	0°95	46. 102	10°2
...	35°592	-6°144	-5	...	...	*	2°246	-24°024	1°15	47. 113	9°4	...	16°728	+24°158	-3	m	...
3I				71								III						
...	-33°993	+49°942	-5	M	...	...	-1°472	+41°670	-4	M m	...	...	+16°993	-2°233	-5	...	...
...	33°159	+41°527	-1	B	S *	-0°506	-9°175	1°70	47. 114	8°6	...	17°648	+54°562	-5	m	...
*	33°064	-26°191	1°00	...	...	...	+0°687	+48°063	0°75	...	...	...	17°993	+30°995	-2	b	...
S *	32°645	+4°676	1°60	47.	105	9°0	...	0°763	+18°939	-5	M m	...	*	19°036	-44°861	1°05	47. 118	10°2
*	32°304	+24°339	1°00	46.	94	10°2	...	0°984	+15°045	0°70	B m	...	*	19°906	+1°017	1°00	47. 119	10°2
...	-31°632	+27°139	-1	B	...	...	+1°126	+43°161	0°85	...	...	...	+19°950	+56°915	0°70	...	...
S *	30°467	+33°502	1°50	46.	95	9°0	...	1°146	+38°953	0°70	m	21°268	+14°401	-3	m	...
...	29°734	-53°003	1°00	48.	111	10°3	...	1°693	+16°390	-5	M m	21°304	+3°423	-5	m	...
...	28°824	+52°235	-5	M	...	...	2°074	-52°439	-5	M m	...	*	21°885	+28°176	0°95	46. 103	10°2
...	27°997	-31°030	-3	...	...	S *	2°547	+32°687	1°70	46. 98	8°6	*	22°536	+14°678	3°00	46. 104	7°4

NM measured from 1, 73.
C , , , 38, 132.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
121-140																			
121	+23°034	-14°577	-2	°	...	...	141	+37°235	+34°478	1°70	46° 106	8·6	161	+57°491	-11°613	-5	°	...
*	24°069	-29°841	0°95	47.	120	9°4	S*	37°644	-16°151	-5	...	...	...	57°856	+14°845	-3	e	...
+	24°161	-29°771	1°10	47.	120	9°4	...	38°673	-55°453	-5	*	58°465	-17°601	1°20	47.	127	9°6
...	24°289	+59°605	-5	m	...	...	...	39°223	-50°349	1°20	47.	124	9°4	...	...	...	...	...
...	24°428	+44°482	-4	m	...	...	...	39°344	-38°517	0°70	...	...	...	...	...	...	...	...
*	+25°590	-56°805	1°00	48.	123	10°2	...	+41°481	-12°353	-4	...	...	...	...	...	...	...	...
*	25°920	-55°814	2°00	48.	124	9°2	...	43°232	-15°568	-3	...	...	...	...	...	...	...	...
...	26°884	+46°410	-4	m	...	...	...	43°341	+42°742	-3	...	...	...	...	...	...	...	...
...	27°457	-17°882	0°90	47.	121	10°2	*	43°407	+19°654	1°00	46.	107	10°2	...	...	...	...	...
*	27°679	+30°476	1°00	...	...	...	...	43°435	-36°609	-5	...	...	...	...	...	...	...	...
131	+27°757	-0°975	-5	m	...	...	151	+43°543	-35°237	1°00	47.	125	10°0	...	...	...	...	...
...	30°929	+46°765	-3	...	...	...	...	47°299	-54°107	-4	...	...	...	...	...	...	...	...
...	31°793	+6°408	-3	m	...	...	...	48°083	+1°976	-4	e	...	...	...	...	...	...	...
...	32°166	+1°418	-4	m	...	...	*	49°098	+9°453	1°20	46.	108	9°5	...	...	...	...	...
...	32°704	-24°214	0°70	...	...	...	*	49°479	+10°744	1°00	46.	109	10°2	...	...	...	...	...
S*	+32°750	-22°737	-3	...	...	...	...	+50°355	+29°688	0°90	...	...	...	...	...	...	...	...
S*	32°756	-49°466	2°60	47.	122	7°4	...	51°772	+15°761	0°70	...	...	...	...	...	...	...	...
S*	33°783	-45°461	0°90	...	...	...	*	52°407	-24°178	1°00	47.	126	10°2	...	...	...	...	...
*	33°927	+3°705	4°50	47.	123	6°4	...	57°176	+18°541	-5	e	...	...	...	...	...	...	...
*	34°329	+23°168	1°05	46.	105	10°0	...	57°490	+27°495	-2	...	...	...	...	...	...	...	...

1-30					31-60					61-90											
I	-59°710	+57°256	-5	°M	...	31	S*	-29°807	+32°665	1°70	46° 113	8·4	61	-8°697	+17°417	-5	°M	...			
...	59°565	+19°388	1°00	46.	107	10°2	...	28°435	+17°440	0°65	B	...	...	7°822	+33°681	-3	Mm	...	
...	58°602	-15°825	-3	...	...	...	...	28°014	+20°091	0°65	B	...	...	6°371	+45°373	0·80	...	...	
...	57°732	-36°852	-5	...	...	...	...	26°364	-14°560	0°65	...	...	...	5°793	+59°503	0·80	...	...	
*	57°666	-35°477	1°10	47.	125	10°0	*	26°358	-10°218	1°00	47.	130	10°2	...	5°379	+54°041	-5	M	...		
...	-54°320	+1°866	-4	E	-25°837	-17°207	0°80	+	-5°159	+50°917	1°15	46.	119	9°4	
...	53°727	-15°809	-5	...	...	...	...	25°347	-36°892	0°75	...	...	...	4°227	-30°264	-5	...	...	...
*	53°540	+9°372	1°20	46.	108	9°5	...	24°196	+54°692	0°90	...	...	...	3°873	+24°691	0·65	M	...	...
...	53°308	-54°220	-4	...	...	...	...	23°602	-9°834	-5	M	...	S†	2°203	-39°862	1°50	47.	133	8·8
*	53°207	+10°669	1°00	46.	109	10°2	...	22°972	+5°113	0°70	B	-	0°53	+48°236	-3	M	
II	-52°939	+29°640	0°90	41	-22°235	+29°093	1°10	46.	114	9°5	71	S*	+1°219	+12°084	2°00	46.	120	8·2
...	51°080	+15°762	0°80	*	21°624	+40°601	1°00	46.	115	10°2	...	2°715	-46°101	0°90	
*	49°165	-24°137	0°95	47.	126	10°2	...	18°984	-46°718	0°65	...	...	...	3°292	-53°436	0·65	...	...	...
...	45°767	+18°717	-3	E	...	...	...	18°879	+26°545	-5	M	...	...	6°155	-56°338	0·95	...	...	...
...	45°767	-2°758	-4	...	...	...	...	18°198	+58°268	-5	M	...	...	8°183	-20°960	-3	...	...	...
...	-45°742	+27°667	0°65	...	...	...	...	-17°420	+1°964	-5	M	...	...	+ 8°342	-28°875	-4	...	...	...
†	44°958	+15°039	-3	E	16°690	+2°908	0°85	47.	131	10°2	...	8°454	-10°469	0·95	47.	134	10°2	
S*	.43°311	-17°377	1°05	47.	127	9°6	...	16°688	+0°874	0°65	B	...	*	9°701	-1°473	1°00	47.	135	10°0		
42°467	+51°077	1°60	46.	111	8°6	*	16°260	+58°982	1°60	46.	116	9°4	...	12°916	+7°309	0·95	47.	136	10°2		
...	41°995	-59°335	-4	...	...	...	51	16°069	+56°650	0°70	...	...	...	13°730	-20°271	0·75	...	...	...
21	-40°766	-17°297	0°90	47.	128	10°2	...	-15°961	-46°111	-5	M	...	81	...	...	...	...	...	...
...	38°971	-20°120	-2	*	15°361	+24°284	1°05	46.	117	10°0	*	16°634	-23°440	1°00	47.	137	10°2	
...	35°797	-50°499	-5	...	...	...	...	15°001	+49°733	0°65	B	...	...	16°750	+2°189	-4	...	...	...
S*	35°330	+36°496	0°90	...	...	...	...	12°680	+11°686	-5	M	...	...	16°996	-38°161	0·70	...	...	...
34°405	-15°432	6°00	47.	129	5°0	*	12°458	-55°843	1°00	...	...	...	19°167	-27°253	0·80	...	...	...
...	-33°690	-14°848	0°70	...	...	...	...	-12°327	-31°038	-5	M	...	...	+20°022	+56°193	0·80	...	...	...
...	32°761	+7°134	-4	M	...	...	...	10°459	-42°377	-5	...	...	...	20°025	+23°676	-4	...	...	...
...	31°217	+50°147	-5	M	...	...	...	10°425	+35°701	-5	M	...	...	20°480	-44°444	-1	...	...	...
...	31°032	+4°635	0°90	9°128	+31°452	0°80	46.	118	10°2	...	20°613	-28°457	-4	
...	30°512	+56°731	-4	M	SN*	9°000	-12°158	3°60	47.	132	7°3	...	21°969	-16°997	-2	

C measured from 1, 70.
 NM " " 31, 102.
 60. Remeasure 1914, 8°·987, 12°·168.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	0·70	No.	Mag.		x.	y.	0·70	No.	Mag.		x.	y.	0·70	No.	Mag.		
91-110																			
9 ¹	+22·036	-41·176	0·70	o	...	...	+37·869	+58·831	-4	o	m	...	13 ¹	+51·270	+58·297	1·25	46.	125	10·2
...	22·250	-11·060	0·70	...	...	...	37·931	-21·431	0·80	...	...	...	*	54·054	-4·328	1·00	47.	143	10·2
S*	24·130	+33·431	1·50	46.	122	8·7	* 38·065	-49·593	1·10	47.	141	9·6	S*	54·179	-39·107	1·30	47.	144	9·8
...	26·145	+28·080	-4	m	...	...	39·639	-9·405	-5	...	...	...	...	54·203	+41·107	-I	e	...	...
S*	26·218	+2·374	1·70	47.	138	8·8	39·675	-11·041	-2	...	...	...	...	54·573	+25·683	-5	m	...	...
...	+26·298	-58·655	1·00	...	...	...	+39·734	-2·773	0·80	...	...	...	S*	+55·068	+39·512	1·50	46.	126	9·4
...	27·159	+3·535	0·80	...	...	...	40·797	+46·009	0·70	a	...	...	*	57·592	-39·021	1·00	...	...	...
...	28·008	-20·256	-5	...	...	...	41·960	-23·061	0·80	...	...	...	...	58·482	+21·635	0·85	...	...	...
S*	28·709	-38·100	1·50	47.	139	8·7	42·446	+21·574	0·80	...	...	...	...	58·780	+31·930	0·95	46.	128	10·2
...	28·815	+23·757	-4	m	...	...	42·900	+37·580	0·70	...	...	...	...	58·829	+19·746	0·70	...	...	...
101	+29·365	+8·341	0·80	...	...	...	+43·093	-37·084	0·65	...	...	...	I41	* +59·093	+55·545	4·20	46.	127	6·1
...	30·560	-10·493	0·75	...	...	...	44·204	+0·715	-4	m	...	...	...	...	...	...	...	...	...
...	31·697	+8·735	0·80	46.	123	10·2	45·280	+0·729	0·70	...	...	...	...	...	...	...	...	...	...
...	33·954	+14·965	0·70	...	...	...	45·484	+38·155	0·70	e	...	...	...	...	...	...	...	...	...
+	34·775	+48·992	1·10	46.	124	9·5	* 46·507	+1·418	1·60	47.	142	8·4	...	...	...	...	...	...	...
+	+35·054	-34·742	1·20	47.	140	9·4	+47·231	+20·227	-1	e	...	...	...	...	...	...	...	...	...
...	36·033	-40·646	0·90	...	...	...	47·329	+23·249	-5	m	...	...	...	...	...	...	...	...	...
...	36·412	+59·521	0·75	...	...	...	50·706	-42·874	0·90	...	...	...	...	...	...	...	...	...	...
...	37·490	+7·974	0·70	...	...	...	50·914	+41·747	-5	m	...	...	...	...	...	...	...	...	...
...	37·588	+7·992	0·65	...	...	...	51·173	-29·555	0·80	...	...	...	...	...	...	...	...	...	...

1-30					31-60					61-90										
I	-59·637	-23·345	-2	o	...	...	-31·185	-36·698	0·90	o	...	...	61	-0·326	-34·762	-5	o	...	...
...	58·060	-37·338	-5	...	...	*	30·736	-1·810	1·00	47.	146	10·2	...	0·288	-57·435	-4	...	...	...
...	58·055	+37·941	-4	E	...	...	30·291	-47·028	-5	...	...	...	...	0·180	-42·663	-5	...	...	...
...	57·071	+0·536	0·70	...	...	...	29·530	-47·958	-3	...	...	...	S*	+0·075	+34·285	-5	...	...	...
*	55·871	+1·256	1·35	47.	142	8·4	29·522	+31·781	-4	M	...	...	...	0·617	+30·321	-2	...	...	...
...	-55·747	+20·071	-5	E	...	*	29·451	-12·615	1·20	47.	147	9·2	...	+1·554	+56·912	-4	...	...	...
...	52·928	+58·240	-1	46.	125	10·2	24·098	-18·231	-5	...	...	...	...	* 2·095	+41·064	1·00	46.	137	10·2
...	50·249	-42·862	-2	...	...	...	23·385	-46·478	0·80	...	...	...	S*	2·525	-49·052	1·90	47.	153	8·2
...	50·210	-29·554	-2	...	...	...	22·933	-26·482	-5	...	...	...	...	2·739	-36·074	-5	...	...	...
...	49·431	+41·182	-3	E	...	*	22·249	-19·647	1·00	47.	148	10·0	...	4·472	+52·957	-5	...	...	...
II	-48·528	+39·615	1·00	46.	126	9·4	41	-22·198	+39·857	0·80	71	+5·632	+27·255	0·90
*	48·157	-4·251	1·00	47.	143	10·2	18·721	-8·237	-1	...	...	...	...	5·970	-12·465	-4	M m	...	...
S*	46·899	-38·999	1·00	47.	144	9·8	17·220	+12·789	-4	M	...	...	...	6·222	-45·718	0·90	...	...	...
+	44·983	+55·766	5·00	46.	127	6·1	S*	16·844	+18·024	1·95	46.	132	8·1	...	7·697	+29·872	0·95	46.	139	10·2
...	44·577	+32·143	0·90	46.	128	10·2	15·886	-32·109	-4	...	...	...	...	7·728	+44·846	0·75	...	...	...
...	-44·551	+21·841	-2	...	...	*	15·018	+41·990	0·75	46.	133	10·2	...	+8·068	+15·594	0·90	46.	140	10·2
...	44·147	+19·969	-3	...	...	...	14·907	+20·639	-4	...	...	...	...	8·591	+24·343	0·90	...	...	...
...	43·486	-38·811	-1	...	...	*	12·860	-27·010	0·90	47.	149	10·2	...	9·624	-32·458	0·90	...	...	...
n*	40·051	+38·288	1·00	46.	129	9·2	...	7·406	+24·313	0·70	10·698	-27·710	-2
n†	39·886	+38·266	0·90	46.	129	9·2	...	7·350	-17·599	-4	10·995	+50·815	1·05	46.	142	9·4
21	-36·178	-18·434	0·85	...	...	*	7·339	+15·005	0·90	46.	135	10·2	...	+11·456	+32·834	-5	...	...	...
...	35·197	-50·861	-2	...	...	...	6·216	-1·566	-3	...	...	...	...	11·910	+45·557	-3	...	...	...
...	34·726	+58·780	-3	S*	5·255	+19·283	1·75	46.	136	8·6	...	12·727	-9·634	-4
...	34·410	+29·522	0·90	...	...	...	4·563	+31·909	-2	...	...	...	...	13·073	+31·672	0·80	...	...	...
...	34·118	-6·679	-5	...	...	...	3·885	+7·115	-4	...	...	...	...	13·715	-1·752	1·00	47.	154	10·2
...	-33·695	-1·255	0·80	...	...	...	2·178	-56·822	-1	...	...	...	...	+14·599	-11·807	-5	...	...	...
S*	32·949	+52·534	-1	...	...	*	2·057	-9·296	1·95	47.	150	8·2	...	15·824	-19·143	-2	...	...	...
...	32·899	-21·986	1·15	47.	145	9·2	*	1·371	-10·247	1·40	47.	151	9·4	...	17·129	+16·224	0·90
...	31·972	+41·518	0·90	...	...	...	0·844	-15·923	-5	...	...	...	S*	19·646	-15·113	-4	...	...	...
...	31·410	+48·704	-3	...	...	*	0·489	-4·303	1·00	47.	152	9·8	...	21·079	+43·175	1·18	46.	143	8·8

L measured from I, 64.
MC " 34, 102.
19, 20. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
91-110																	
91	+21.380	-15.571	-5	o	...	...	+38.374	-51.675	0.85	47. 157	10.2	131	+53.474	+38.685	-5	o	...
...	21.424	+48.536	0.80	...	...	...	40.631	-9.779	-2	...	...	S †	54.486	+44.982	2.00	46. 146	8.4
...	21.573	+42.791	-2	...	...	...	41.927	+38.156	-4	m	...	...	55.209	-56.273	-3	...	...
...	25.079	-14.253	-5	...	...	...	41.957	-40.007	-4	...	...	*	56.806	-41.947	1.00	47. 162	9.8
*	25.712	-47.467	1.00	47. 155	10.2	...	43.691	+27.495	0.75	...	...	...	57.190	-20.246	0.90	47. 161	10.2
...	+25.798	-19.233	-4	...	...	...	+43.720	-47.412	-5	...	...	...	+57.702	+53.602	-2	46. 147	10.2
...	26.483	+9.240	-3	...	...	...	43.967	-14.657	-3	...	...	...	58.865	-57.232	-5	...	...
...	26.713	+6.753	-5	...	...	...	44.247	-50.740	-5	...	...	...	58.969	-16.328	0.90	47. 163	10.2
S *	29.310	+15.168	1.90	46. 144	7.6	...	45.139	-36.586	-1	...	...	...	59.429	+27.374	-2	...	...
...	29.477	+24.015	-5	...	...	...	45.241	-57.020	-4	...	...	+	59.666	+51.527	1.90	46. 148	8.6
101	+29.734	-33.639	0.75	...	...	121	+45.436	+53.354	-4	...	...				
...	30.917	+50.786	-5	...	...	...	46.179	+27.405	-2	...	...				
S *	-30.947	+23.973	-3	...	...	...	* 46.685	-30.920	1.00	47. 158	9.6						
31.183	-49.147	1.90	47. 156	8.2	S *	46.997	-18.865	1.10	47. 159	9.2							
...	31.908	-33.866	-2	...	...	...	47.403	+53.732	-4	...	...				
...	+31.948	-47.712	-4	a	...	...	+49.416	+24.585	0.75	...	...				
...	33.284	-28.630	-1	...	...	...	49.740	-26.246	-3	...	...				
*	34.814	+10.518	0.95	46. 145	9.8	...	50.051	-43.802	-5	...	...				
...	35.881	-29.380	-2	...	...	...	50.155	-5.648	0.90	47. 160	10.2						
...	36.548	-4.302	-4	...	...	...	52.343	-20.802	-4	...	...				

1-30						31-60						61-90						
I	-59.515	+27.247	0.95	o	...	31	-41.939	+32.017	1.35	46. 150	8.4	61	-24.420	-57.693	-2	o	...	
...	59.096	-40.293	-5	...	...	...	41.798	+21.379	0.70	...	...	...	23.286	+8.839	-2	...	...
...	58.593	+53.161	-4	...	...	...	41.635	-56.957	-5	...	...	...	22.500	+35.050	-4	...	...
...	58.164	+7.576	-5	M	...	...	41.555	+43.911	-3	...	...	...	21.777	-22.788	-5	...	...
...	57.893	-14.879	-2	...	...	...	41.273	-47.345	-5	...	...	...	21.714	-16.942	-5	...	...
...	-57.097	-47.629	-5	...	...	...	-41.259	-14.851	-3	...	...	...	-20.845	+43.925	-3	...	...
...	57.024	+27.228	-2	...	...	...	38.726	+56.047	-4	...	...	...	19.716	-15.040	-3	...	...
...	56.649	+53.601	-5	...	...	...	38.712	+26.609	-4	M	...	...	19.558	-54.020	0.80	48. 168	11.0
...	56.023	-36.764	0.90	...	...	*	38.539	+51.369	1.15	46. 151	9.8	S *	18.561	+38.028	2.85	46. 154	7.4
...	55.693	-55.673	-5	...	...	...	38.492	-24.519	0.70	...	...	S *	17.399	+19.744	3.10	46. 155	7.2
II	-55.271	-57.189	-5	41	S *	-37.831	-45.083	1.05	47. 164	9.4	71	-15.596	+14.713	1.20	46. 156	9.2
...	54.730	-18.988	1.00	47. 159	9.2	...	37.738	-37.247	-5	M	...	...	15.476	-39.031	0.65	...	...
S *	54.661	-31.047	1.00	47. 158	9.6	...	37.458	-12.451	-2	...	...	...	15.178	+51.361	-2	...	...
...	53.708	+24.527	0.90	...	...	...	36.848	-47.431	-3	...	...	...	13.354	+40.960	-5	...	...
*	51.993	-5.663	1.00	47. 160	10.2	...	36.809	+23.177	-2	...	...	...	12.441	-34.100	-5	...	...
...	-51.759	-26.280	-3	...	...	...	-36.162	+27.400	-5	M	...	...	-11.860	-50.212	-3	...	...
...	51.638	+21.312	-5	M	...	...	34.505	-42.103	0.75	...	...	...	11.233	-13.075	-5	...	...
...	50.890	-43.810	-5	...	...	*	34.000	+35.024	1.35	46. 152	8.2	...	11.004	-27.432	-4	...	...
...	50.088	+38.746	-4	...	...	...	29.626	+42.256	-5	...	...	...	10.286	-11.373	-5	...	...
...	49.326	-20.754	-4	...	...	...	29.565	+40.484	-4	...	...	...	8.690	-49.192	-3	...	...
21	S *	-49.270	+45.069	2.00	46. 146	8.4	51	-29.545	-0.926	-4	81	-8.460	-59.575	-3
...	46.351	+53.793	-1	46. 147	10.2	...	28.301	+2.254	-4	...	...	...	8.060	-38.321	-5	...	...
...	45.596	+53.161	-5	...	...	...	28.204	-19.210	0.80	47. 165	10.2	...	6.635	-39.821	-5	...	...
...	45.326	-56.122	-1	...	...	*	27.827	+41.841	0.95	46. 153	9.8	...	5.968	+39.495	-5	m	...
...	44.509	-20.045	1.00	47. 161	10.2	...	27.720	-39.359	-3	...	...	*	1.119	-46.495	0.90	47. 167	10.0
...	-44.302	+51.779	1.30	46. 148	8.6	...	-27.265	-51.110	-2	...	...	*	1.056	-19.847	0.90	47. 166	9.8
*	44.189	-41.743	1.00	47. 162	9.8	...	26.533	-58.680	0.90	48. 167	11.0	...	0.096	+34.702	-5	m	...	
...	43.776	+27.632	0.70	...	...	...	26.261	+43.436	-3	...	...	...	+0.256	-33.422	0.85	47. 168	10.2
...	42.847	-16.070	0.90	47. 163	10.2	...	25.411	+7.540	-4	...	...	...	0.873	+55.642	-4	m	...
*	42.074	+32.920	1.25	46. 149	8.8	...	25.272	+20.763	-2	...	...	...	1.447	+39.763	-4	...	...

L measured from 1. 88.
MC .. " 49. 132.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-ι.	No.	Mag.		x.	y.	-ι.	No.	Mag.		x.	y.	-ι.	No.	Mag.			
91-120																				
9 ¹	+ 2·281	- 51·642	- 5	°	...	...	121	+ 23·746	- 6·919	0·70	°	...	151	+ 45·741	+ 29·524	- 5	° m	...	
S*	2·790	- 16·426	3·50	47.	169	7·2	N	23·878	+ 56·981	- 3	...	...	...	47·505	+ 50·192	- 3	...	...
...	5·363	+ 7·691	- 5	m	...	...	N	23·893	+ 57·018	- 4	...	...	...	48·365	+ 35·927	- 5	...	...
...	5·368	- 11·018	- 5	...	...	...	...	24·476	+ 31·449	- 5	m	...	...	51·107	+ 40·268	0·85	46.	165	10·2
*	5·494	- 51·294	1·00	47.	170	10·0	...	24·516	+ 46·030	- 5	m	...	...	51·331	+ 1·213	- 2	...	...
...	+ 6·966	- 50·769	- 4	...	...	...	S†	+ 24·975	+ 54·459	4·00	46.	161	6·3	...	+ 51·371	- 44·280	- 5	...	...
...	7·765	- 35·790	0·70	...	...	...	†	25·636	- 39·934	0·75	...	...	...	52·426	+ 24·325	- 4	...	...
*	7·774	+ 41·692	0·95	46.	157	10·2	...	26·949	- 14·215	- 5	S*	53·029	+ 47·232	3·00	46.	166	7·2
...	8·075	+ 19·500	- 5	...	...	...	*	27·040	+ 35·182	1·00	46.	162	9·0	...	53·269	- 49·546	- 3	...	...
...	8·397	+ 53·087	0·95	46.	158	10·2	...	28·330	+ 42·113	0·70	...	...	...	53·756	+ 10·167	- 1	...	...
IOI	+ 8·456	- 43·515	- 5	...	...	...	131	+ 28·408	- 20·129	0·80	...	...	*	+ 53·861	- 13·548	0·90	47.	179	10·0
...	8·831	- 29·232	0·95	47.	171	10·2	...	31·387	- 49·486	- 2	...	...	...	54·353	- 20·681	0·75	47.	180	10·2
...	9·129	+ 16·408	- 2	...	...	...	...	32·473	+ 19·525	- 5	m	...	...	54·857	- 9·810	0·65	...	...
...	9·562	+ 47·008	- 3	...	...	...	*	33·806	+ 21·003	1·10	46.	163	9·0	...	55·274	+ 22·618	- 5	m	...
...	9·840	+ 34·607	0·85	46.	159	10·2	...	33·806	+ 31·527	- 5	...	...	...	56·624	- 1·469	- 3	...	...
...	+ 12·099	- 58·279	- 5	...	...	...	...	+ 33·817	+ 21·795	- 5	m	...	...	+ 56·882	+ 5·957	- 4	e	...	
†	12·140	+ 39·845	0·80	...	...	...	...	36·152	+ 5·515	- 1	...	...	...	57·739	+ 42·661	- 3	...	...
...	12·572	- 45·053	0·70	*	36·744	- 46·733	1·40	47.	176	8·6	†	58·352	+ 54·863	0·90	46.	167	9·8
*	14·797	- 13·601	1·00	47.	172	9·4	...	37·416	+ 55·460	- 3	...	...	...	58·454	+ 36·528	- 3	...	...
*	15·276	+ 53·078	1·00	46.	160	10·2	S*	37·714	+ 34·097	1·10	46.	164	9·0	...	58·610	- 10·717	- 5	...	...
III	+ 15·505	- 4·436	- 3	...	...	...	141	+ 37·956	+ 53·785	- 5	m	...	...					
...	18·381	- 43·238	- 5	...	...	...	...	39·101	- 9·101	- 3	...	...	...				
S*	18·516	- 46·831	1·30	47.	173	8·2	S†	41·268	- 49·771	2·00	47.	177	7·6							
...	18·848	- 24·634	- 3	...	...	...	...	41·497	- 30·038	- 5	...	...	...				
S*	19·706	+ 5·503	1·25	47.	174	8·6	...	41·905	- 55·747	- 2	...	...	...				
...	+ 20·124	+ 22·832	0·70	...	...	...	...	+ 42·180	- 10·388	- 2	...	...	...				
...	20·258	- 18·811	0·85	...	...	...	...	42·827	- 23·047	- 5	...	...	...				
*	21·390	- 54·544	1·00	48.	175	9·8	...	43·218	+ 18·151	- 5	...	...	...				
*	22·647	- 8·275	1·00	47.	175	10·0	*	43·771	- 43·632	0·95	47.	178	10·0	...						
...	22·747	+ 9·677	- 2	...	...	...	...	44·282	- 28·454	- 4	...	...	...				

122, 123, 46°·10, no sign of duplicity.

1-20						21-40						41-60								
I	- 59·472	- 50·069	2·05	47.	177	7·6	21	- 40·187	+ 44·326	- 4	...	...	4 ¹	- 18·605	+ 34·679	- 4	...	...
S*	58·635	- 56·012	- 5	...	...	...	†	39·781	- 36·178	0·85	47.	181	10·2	*	18·500	+ 48·693	1·30	46.	168	8·6
...	57·179	- 43·849	0·90	47.	178	10·0	...	39·686	+ 37·470	- 2	...	...	...	18·339	- 43·734	- 3	...	...	...
...	56·424	+ 50·049	- 5	...	...	...	*	36·216	- 46·947	1·00	47.	182	9·8	S*	16·301	- 37·314	2·15	47.	187	7·4
...	52·522	+ 40·238	0·80	46.	165	10·2	...	35·774	+ 38·737	- 2	...	...	...	15·441	+ 38·310	- 5	...	...	...
...	- 51·053	+ 1·215	- 4	...	...	...	...	35·466	- 29·537	- 3	...	...	...	- 15·127	+ 10·832	1·10	46.	169	9·2	
S*	50·801	+ 47·271	3·00	46.	166	7·2	...	35·459	- 9·694	- 4	...	...	...	13·847	- 41·289	2·70	47.	188	7·6	
...	50·695	+ 24·344	- 5	...	...	...	...	33·773	- 29·738	- 2	...	...	...	S*	11·550	+ 24·395	2·95	46.	170	7·2
...	48·912	+ 10·235	- 4	...	...	...	...	32·414	+ 40·270	- 2	...	...	...	...	11·229	- 15·210	- 3	47.	189	10·2
*	48·040	- 13·454	1·00	47.	179	10·0	...	32·016	- 13·944	0·90	47.	183	10·2	...	10·543	+ 38·836	- 4	...	...	...
II	- 47·490	- 49·449	- 5	...	...	...	31	- 30·430	- 41·966	- 2	...	...	5 ¹	- 10·477	- 35·980	- 3	...	...	...
...	47·327	- 20·573	0·85	47.	180	10·2	...	30·326	- 6·978	0·70	...	...	...	10·345	+ 19·557	- 4	...	...	...
...	47·168	- 9·697	0·70	...	...	...	...	29·686	+ 3·949	- 2	...	...	...	9·713	+ 55·259	0·80	46.	171	10·2	
...	45·972	+ 42·831	- 4	...	...	...	*	28·916	- 3·598	1·00	47.	184	9·8	...	9·538	- 29·397	- 2	47.	190	10·2
*	45·750	+ 55·054	1·00	46.	167	9·8	*	28·373	- 24·331	1·00	47.	185	10·2	...	8·992	+ 4·986	- 3	...	...	...
...	- 45·685	- 1·302	- 5	...	...	...	...	- 26·348	- 29·665	0·90	47.	186	10·2	*	- 7·030	+ 51·584	1·20	46.	172	8·6
...	45·649	+ 6·127	- 5	E	...	...	...	23·225	- 25·562	- 5	...	...	...	6·840	- 59·116	0·95	48.	190	10·2	
...	45·069	+ 36·733	- 3	...	...	...	...	22·474	- 4·824	- 5	...	...	...	6·257	+ 59·791	- 3	...	...	...
...	42·953	+ 37·596	- 5	...	...	...	...	20·987	+ 30·975	- 5	...	...	...	S*	5·674	- 14·389	1·00	47.	191	9·4
...	40·458	- 53·747	- 3	...	...	...	...	20·641	- 45·607	- 5	A	...	...	*	5·341	- 20·943	1·00	47.	192	9·4

L measured from 1, 79.
MC " " 41, 98.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
61-90																			
61	- 2.976	+ 4.164	- 3	47.	193	10.2	91	+ 35.026	- 7.528	- 4	...	...	121	+ 56.205	+ 17.667	- 1	...	...
S *	2.181	+ 43.049	1.85	46.	173	8.1	...	36.095	+ 51.134	- 5	...	...	...	57.109	- 4.473	- 5	...	...	...
...	1.777	+ 29.878	0.70	46.	174	10.2	...	36.867	- 23.549	- 5	...	...	...	59.440	- 55.204	- 3	...	...	...
...	1.451	+ 42.721	- 3	...	...	...	...	37.012	- 30.390	- 5	...	...	...	59.570	+ 11.369	- 5	...	...	...
...	0.483	- 5.484	- 4	...	...	...	...	38.293	- 28.212	0.80	47.	200	10.2	...	...	...	...	...	...
S †	+ 0.171	- 55.324	1.30	48.	194	8.8	...	+ 38.702	- 14.017	- 5	...	...	...	...	...	...	...	...	...
...	1.553	+ 41.704	- 3	...	...	...	...	39.422	+ 12.501	0.85	46.	180	10.2	...	...	...	...	...	...
*	2.729	- 35.267	1.20	47.	194	9.0	...	40.043	- 50.611	- 4	...	...	...	...	...	...	...	...	...
...	3.791	- 20.172	- 4	...	...	...	...	40.470	- 18.675	0.75	47.	201	10.2	...	...	...	...	...	...
...	5.188	- 57.927	- 4	...	...	...	...	40.487	- 17.663	- 4	...	...	...	...	...	...	...	...	...
71	...	...	...	...	...	...	101	...	...	...	...	...	...	...	...	...	...	...	...
...	+ 5.613	- 0.892	0.90	47.	195	9.4	...	+ 40.702	+ 50.908	- 1	46.	181	10.2	...	...	...	...	...	...
...	7.369	+ 15.606	- 4	...	...	...	...	41.055	- 42.363	- 4	...	...	...	...	...	...	...	...	...
...	7.646	- 48.863	0.75	47.	196	10.2	...	41.061	+ 6.307	0.80	47.	202	10.2	...	...	...	...	...	...
...	8.524	+ 21.567	- 4	...	...	...	...	41.806	+ 5.869	0.80	47.	203	10.2	...	...	...	...	...	...
...	12.044	- 14.991	0.70	47.	197	10.2	...	42.669	+ 39.587	- 4	...	...	...	...	...	...	...	...	...
...	+ 13.408	- 54.399	- 5	...	...	...	...	+ 44.052	- 52.164	- 3	...	...	...	...	...	...	...	...	...
...	13.515	+ 28.794	- 4	...	...	...	...	45.207	- 52.958	- 4	...	...	...	...	...	...	...	...	...
...	18.142	+ 48.596	- 5	...	...	...	...	45.282	+ 9.196	- 4	...	...	...	...	...	...	...	...	...
...	20.730	- 47.355	- 2	...	...	...	...	50.336	- 44.177	0.90	...	...	...	...	...	...	...	...	...
...	21.014	+ 37.705	- 5	...	...	...	...	50.692	- 25.033	- 2	...	...	...	...	...	...	...	...	...
81	...	...	...	...	...	...	111	...	...	...	...	...	...	...	...	...	...	...	...
S *	+ 25.108	- 5.653	0.75	47.	198	10.2	...	+ 51.138	- 7.030	- 4	...	...	...	...	...	...	...	...	...
...	25.165	+ 29.129	2.00	46.	178	7.7	...	* 51.645	+ 52.269	1.00	46.	182	9.6	...	...	...	...	...	...
...	29.679	- 42.137	- 2	...	...	...	S *	52.104	- 51.711	1.10	47.	204	10.0	...	...	...	...	...	...
...	30.462	- 57.705	- 5	...	...	...	...	52.532	- 26.594	- 5	...	...	...	...	...	...	...	...	...
...	30.990	- 29.113	- 5	...	...	...	...	52.555	- 8.952	- 2	...	...	...	...	...	...	...	...	...
†	+ 32.081	- 34.743	0.70	...	...	...	...	+ 54.404	+ 42.883	- 4	...	...	...	...	...	...	...	...	...
...	32.918	+ 16.856	- 3	...	...	...	...	54.548	+ 9.597	- 4	...	...	...	...	...	...	...	...	...
S	33.489	- 11.298	0.90	47.	199	9.8	S *	54.575	+ 52.652	2.00	46.	183	8.2	...	...	...	...	...	...
...	33.807	+ 35.537	- 3	...	...	...	...	55.951	- 16.789	1.00	47.	205	10.0	...	...	...	...	...	...
...	33.869	+ 45.762	- 4	...	...	...	...	56.026	- 43.054	- 5	...	...	...	...	...	...	...	...	...

1-20					21-40					41-60				
I	- 57.692	+ 10.396	- 5	...	...	...	- 44.931	- 42.848	- 4	...	...	...	...	...
...	57.339	+ 9.002	- 4	...	...	...	43.124	+ 11.633	- 5	...	...	...	...	...
...	56.593	- 52.352	- 5	...	...	...	† 41.128	- 54.904	- 4	...	...	...	...	...
*	55.415	- 53.100	- 5	...	...	...	...	40.616	- 21.100	0.70	...	...	...	...
*	52.364	+ 52.251	1.05	46.	182	9.6	*	40.194	+ 25.832	1.00	46.	184	9.4	...
...	- 52.289	+ 12.336	- 5	a	...	...	...	- 39.423	+ 39.959	- 4	...	...	...	...
...	50.956	- 7.024	- 3	...	...	...	...	39.234	+ 12.367	- 5	...	...	...	...
†	50.825	- 25.022	- 2	...	...	...	...	37.654	+ 10.079	- 5	...	...	...	...
*	50.566	- 44.162	1.00	...	...	...	...	36.979	+ 4.071	0.75	...	...	...	...
...	50.078	+ 26.292	- 5	...	...	...	...	36.378	- 19.152	- 5	...	...	...	...
II	...	...	...	...	...	...	31	...	...	...	...	...	...	...
...	- 49.494	- 8.899	0.75	...	...	...	...	- 36.263	- 18.950	- 2	...	...	...	...
S *	49.441	+ 52.723	1.80	46.	183	8.2	...	36.095	+ 47.106	- 5	...	...	...	...
...	49.300	+ 42.958	- 4	...	...	...	...	35.952	- 28.715	0.90	...	...	...	...
...	48.949	- 26.525	- 5	...	...	...	...	35.651	- 50.224	- 4	...	...	...	...
S *	48.566	- 51.641	1.08	47.	204	10.0	...	34.589	+ 23.445	0.80	...	...	...	...
...	- 48.096	+ 9.702	- 5	...	...	...	...	- 34.368	+ 8.312	- 5	...	...	...	...
...	46.699	+ 17.817	0.80	...	...	...	...	33.666	- 41.058	- 2	...	...	...	...
...	46.104	+ 19.625	- 5	...	...	...	...	32.391	- 28.786	- 5	...	...	...	...
*	45.842	- 16.619	1.00	47.	205	10.0	...	31.059	+ 28.017	- 4	...	...	...	...
...	45.076	- 4.269	- 5	...	...	...	...	29.924	+ 7.961	- 5	...	...	...	...

L measured from 1, 73.
MC " " 41, 106.

- 47°

No. 11

CAPE ASTROGRAPHIC ZONE.

1905·93

1^h 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
61-90																			
61	- 9·158	- 36·603	- 2	o	...	...	+ 15·919	- 8·482	- 5	o	...	...	+ 41·908	+ 6·069	o·70	o	...
...	6·113	- 11·080	- 3	...	...	...	16·721	- 14·797	- 2	...	...	...	42·288	- 8·410	- 3	...	...
†	+ 4·819	+ 30·915	0·80	...	...	...	17·615	- 45·973	1·00	...	...	...	43·683	+ 30·066	- 5	...	...
S*	3·860	- 11·647	1·10	47· 207	10·0	S*	17·781	- 59·552	1·10	48· 218	9·2	...	43·746	+ 33·488	- 1	...	...
*	3·720	- 17·665	1·90	47· 208	8·2	*	18·307	+ 51·073	1·10	46· 189	9·2	...	43·770	+ 40·439	- 3	...	...
*	- 2·914	- 21·259	1·60	47· 209	8·6	†	+ 20·100	+ 11·987	- 4	...	...	...	+ 44·076	- 19·471	1·00	47· 217	10·0
...	2·367	+ 25·955	- 3	...	...	...	20·500	- 21·661	- 5	...	...	...	45·515	- 52·207	- 5	...	...
...	1·401	+ 52·750	- 4	...	...	...	20·563	+ 42·397	- 4	...	...	...	46·273	- 35·214	- 3	...	...
...	0·948	- 42·165	- 3	...	...	...	21·476	+ 24·420	- 3	...	...	...	46·537	+ 30·359	- 3	...	...
*	0·763	- 27·805	1·40	47· 210	8·9	...	21·919	- 17·590	- 4	...	...	...	47·387	- 32·632	- 2	...	...
71	- 0·171	+ 30·648	0·65	101	+ 25·370	+ 46·907	- 4	131	S*	+ 47·601	+ 12·091	4·90	46· 195	6·3
...	+ 0·065	+ 50·407	- 2	...	...	...	25·464	- 35·578	- 4	...	...	...	47·921	+ 36·436	- 5	...	...
...	2·184	+ 25·772	0·90	...	...	...	27·722	+ 2·257	- 5	...	...	...	48·158	+ 28·046	0·70	...	...
*	2·599	+ 0·837	1·90	47· 211	8·4	S*	29·193	+ 44·036	1·80	46· 191	8·2	...	49·026	- 1·626	- 3	...	...
...	3·393	+ 24·204	- 5	...	...	...	29·655	+ 49·131	- 5	...	...	...	49·286	+ 13·004	- 5	...	...
+	4·462	+ 46·245	- 4	...	...	...	+ 30·665	- 0·327	- 3	...	...	...	+ 49·462	+ 35·961	- 4	...	...
*	5·552	- 16·083	2·60	47· 212	7·5	...	30·673	+ 4·082	- 4	...	...	...	50·764	- 6·202	- 2	...	...
*	5·617	+ 38·831	1·00	...	...	*	30·681	- 37·107	0·95	47· 216	10·0	...	51·747	- 27·859	- 4	...	...
...	5·881	- 55·960	0·95	48· 213	10·8	S*	30·696	- 8·248	1·85	47· 214	7·8	...	52·431	+ 25·056	- 4	...	...
...	6·078	- 1·101	- 4	...	...	...	30·754	+ 4·851	- 5	...	...	...	53·147	+ 36·195	- 5	...	...
81	+ 6·988	- 17·610	- 4	III	+ 30·773	- 16·175	1·10	47· 215	9·4	...	141	+ 53·188	- 36·202	- 5	
...	7·349	+ 20·618	- 5	m	...	...	31·464	- 30·141	0·70	...	...	...	54·182	+ 15·953	- 4	...	...
...	9·261	- 45·741	0·75	...	...	...	31·513	- 54·635	- 5	...	...	...	54·211	+ 57·223	0·85	...	...
...	9·321	+ 14·994	- 5	32·144	- 29·298	- 4	S*	54·798	+ 31·930	1·85	46· 196	8·4	
...	11·532	- 30·960	0·85	...	...	...	32·651	- 55·304	- 5	...	...	...	54·809	+ 15·158	- 4	...	...
+	12·986	+ 22·824	- 5	+ 32·912	- 58·238	- 2	*	+ 56·002	+ 9·707	0·90	
...	13·120	- 45·982	- 3	32·919	+ 36·345	- 4	S*	56·936	- 10·798	1·00	47· 218	9·6	
...	14·969	+ 21·619	0·95	*	37·668	+ 17·830	0·90	46· 194	10·0	
*	14·995	- 15·752	1·05	47· 213	9·6	+	37·910	- 0·040	0·90	α	
...	15·675	- 25·723	- 3	*	38·110	+ 43·372	1·20	46· 193	9·2	

- 47°

No. 12

D,-3

1905·95

1^h 55^m

1-20						21-40						41-60						
I	- 59·665	+ 33·237	- 2	o	...	21	- 39·158	- 42·785	- 5	o	...	41	- 23·428	- 59·457	- 3	...	...
*	57·618	- 19·697	1·00	47· 217	10·0	...	38·718	+ 41·474	0·95	...	...	...	21·904	- 16·768	- 2	...	...
S*	56·757	+ 30·203	- 3	...	...	*	37·881	- 8·179	1·00	47· 219	10·0	...	21·820	- 9·546	- 4	...	...
...	55·076	+ 11·971	4·90	46· 195	6·3	...	37·524	+ 7·175	- 5	...	...	...	21·579	+ 4·284	- 5	...	...
...	55·061	+ 27·935	0·95	...	...	...	36·514	- 28·025	- 4	...	...	...	21·401	+ 27·242	0·90	...	...
...	- 54·919	- 35·359	- 4	...	...	...	- 36·505	+ 25·506	- 5	A	...	...	- 19·607	+ 13·507	- 4	...	...
...	54·018	+ 35·886	- 4	...	...	...	36·319	+ 26·559	0·75	...	...	...	19·398	- 28·504	0·80	...	...
...	53·889	- 32·735	- 2	...	...	...	35·447	- 48·308	- 4	...	...	...	19·281	- 14·889	- 3	...	...
...	53·459	+ 12·923	- 5	35·398	- 51·133	- 3	S*	18·057	- 52·456	4·40	47· 221	6·0
...	53·247	- 1·696	- 2	...	...	*	34·514	- 19·311	1·00	47· 220	10·0	...	17·981	- 24·860	- 1	...	...
II	- 53·192	+ 29·047	- 3	...	...	31	- 33·704	- 55·226	- 4	...	...	51	- 17·847	- 21·812	0·70	...	...
...	51·368	- 6·202	0·70	...	...	*	31·315	+ 56·415	1·10	46· 197	10·0	...	16·772	- 43·232	- 5	...	...
†	50·695	+ 25·078	- 5	...	...	S*	29·323	+ 52·986	1·00	46· 198	10·0	...	14·142	- 12·093	0·90	...	...
†	49·925	+ 57·305	1·00	...	...	...	28·154	- 2·797	- 3	...	...	...	14·099	+ 33·955	- 3	...	...
...	48·645	+ 16·047	- 4	...	...	...	26·003	+ 43·904	- 4	...	...	...	11·651	+ 11·948	0·65	...	...
S*	- 48·536	+ 32·030	1·90	46· 196	8·4	...	- 25·808	- 52·982	- 3	...	...	...	- 10·974	+ 48·343	- 4	...	...
...	48·002	+ 15·276	- 5	...	...	...	25·351	- 57·702	- 4	...	...	...	9·357	- 10·698	0·90	...	...
...	47·978	- 36·132	- 5	...	...	...	25·115	+ 29·075	- 1	...	...	...	7·756	- 29·232	- 2	...	...
*	46·632	+ 9·857	1·00	...	...	...	24·742	+ 33·057	- 1	...	...	...	1·644	+ 30·118	- 3	...	...
S*	45·045	- 10·611	1·10	47· 218	9·6	...	24·680	- 11·048	- 5	...	...	S+	0·905	- 4·778	1·00	47· 222	10·0

L measured from 1, 62.
MC " " 33, 77.

1^h 55^m

14

- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
61-80																	
61	- 0.217	- 57.680	1.20	48. 230	9.8	81	+ 33.203	+ 40.782	2.65	46. 202	7.4	101	+ 56.579	+ 33.251	- 5	0	...
*	+ 1.881	- 44.876	0.90	...	...	...	34.256	+ 24.310	- 3	...	...	...	57.366	- 45.144	1.00	...	...
...	5.634	+ 25.597	- 2	...	...	...	34.389	+ 14.733	- 4	...	...	...	58.303	+ 25.335	1.30	46. 206	9.2
S*	6.491	- 50.469	1.00	47. 223	10.0	†	35.094	- 34.616	- 1	...	...	...	59.874	- 4.214	- 5	...	...
...	6.664	+ 7.953	- 4	...	...	...	35.216	+ 19.055	0.90	46. 203	10.0	...	...	...	...	...
S*	+ 6.677	+ 15.102	1.30	46. 199	8.6	...	+ 37.905	+ 52.735	- 3	...	...	...	...	...	...	...
...	7.619	- 53.058	0.70	...	...	...	40.263	+ 37.153	- 3	...	...	...	...	...	...	...
*	8.431	+ 56.335	1.05	46. 200	9.2	...	40.743	+ 1.599	- 2	...	...	...	...	...	...	...
...	14.407	+ 22.168	- 5	...	...	...	42.319	- 40.550	- 5	...	...	...	...	...	...	...
...	15.655	- 16.902	- 2	...	...	...	42.415	+ 13.416	- 1	...	...	...	...	...	...	...
71	...	...	...	...	...	91	...	...	...	...	...	...	...	...	...	...	...
...	+ 18.321	+ 40.332	0.80	...	...	...	+ 42.715	- 35.034	- 3	...	...	...	...	...	...	...	...
*	20.795	+ 38.828	1.00	...	...	...	43.039	- 51.478	- 4	...	...	...	...	...	...	...	...
...	23.458	- 51.283	- 5	...	...	...	43.605	+ 7.543	- 4	...	...	...	...	...	...	...	...
...	23.461	- 37.260	0.70	...	...	...	44.074	+ 17.878	- 5	...	...	...	...	...	...	...	...
...	27.611	- 7.205	- 5	...	...	...	46.314	- 32.876	1.00	47. 224	10.0	...	...	...	...	...	...
...	+ 29.749	+ 36.655	0.85	...	...	...	+ 47.120	- 43.627	- 5	...	...	...	...	...	...	...	...
...	30.236	- 0.734	- 5	...	...	...	52.673	- 21.583	- 4	...	...	...	...	...	...	...	...
...	30.841	+ 11.336	- 2	...	...	...	52.816	+ 35.692	- 5	...	...	...	...	...	...	...	...
*	30.880	+ 47.323	1.20	46. 201	9.6	S*	52.910	+ 8.191	1.60	46. 205	8.5	...	...	...	...	...	...
...	31.314	+ 39.794	- 5	a	...	...	53.150	- 49.358	- 5	e	...	...	...	...	...	...	...

1-30					31-60					61-90									
I	- 58.974	+ 7.286	- 4	0	...	...	31	- 26.286	- 21.706	1.05	47. 228	10.0	61	- 2.820	+ 18.181	- 5	0	m
...	58.816	+ 17.634	- 5	...	...	...	S*	- 25.973	+ 35.637	0.80	...	...	...	1.588	- 16.523	- 5	m	...
...	58.499	- 35.294	- 5	...	...	...	...	25.949	- 38.155	- 4	...	...	...	1.500	+ 53.334	0.90	...	...
S†	57.661	- 51.735	- 5	...	...	...	...	24.737	- 3.202	0.80	...	...	...	0.668	+ 0.276	- 5	M m	...
S*	54.960	- 33.019	1.05	47. 224	10.0	...	...	22.955	+ 24.307	- 5	...	...	...	0.344	- 57.157	- 4	...	...
...	- 51.319	+ 49.858	- 5	M	...	...	S*	- 22.507	- 5.094	1.40	47. 229	8.9	...	+ 0.399	+ 44.803	0.65	...	...
...	50.641	+ 35.730	- 4	...	...	...	...	22.119	- 29.768	- 5	...	...	S*	0.902	- 45.808	1.15	47. 233	10.0
S*	49.682	+ 8.228	1.50	46. 205	8.5	...	...	21.718	- 50.455	0.80	...	...	S*	1.289	+ 9.433	1.70	46. 211	8.4
...	48.981	- 21.527	- 4	...	...	...	*	21.185	- 32.420	1.00	...	...	...	1.458	+ 36.253	0.65	...	...
...	47.621	- 49.262	- 5	E	...	...	*	20.971	+ 56.585	1.15	46. 209	10.0	...	1.656	- 42.660	- 5	...	...
II	41	...	- 20.950	- 19.274	- 4	71	...	+ 1.790	+ 57.970	0.65
...	- 46.792	+ 33.416	- 5	...	...	...	...	20.714	- 32.436	- 5	...	...	...	2.991	+ 55.343	- 5	...	...
*	44.841	+ 25.536	1.40	46. 206	9.2	...	...	18.870	- 17.429	- 5	...	...	...	4.233	+ 44.937	- 5	...	...
*	43.521	- 44.928	1.00	...	...	...	*	16.041	- 47.482	1.20	47. 230	10.0	...	4.331	- 38.446	- 5	...	...
...	42.317	- 3.929	- 5	...	...	...	*	15.665	- 50.152	1.05	47. 231	10.0	...	4.422	+ 0.963	0.85	...	...
...	41.137	+ 16.896	- 5	...	...	...	*	- 15.512	+ 31.526	- 5	...	...	...	+ 5.403	+ 6.234	- 5	M m	...
...	- 40.493	- 12.733	- 5	...	...	...	*	14.738	- 47.192	- 5	...	...	...	5.981	- 32.836	0.90	...	...
*	40.177	- 5.729	1.60	47. 225	9.0	...	*	13.785	+ 57.715	- 5	...	...	*	6.448	+ 50.918	1.40	46. 212	9.0
...	38.600	- 18.821	- 2	...	...	...	*	13.084	- 14.654	1.00	47. 232	9.8	*	7.065	+ 48.153	1.60	46. 214	8.9
...	37.297	- 23.875	1.00	...	...	...	*	10.151	- 7.987	- 4	...	...	...	7.111	+ 35.436	0.70	...	...
21	...	- 2.394	- 5	...	...	51	...	- 8.738	- 21.177	0.90	...	...	S*	+ 7.314	+ 31.234	1.50	46. 215	8.8
...	- 35.141	+ 31.499	- 5	...	...	...	*	8.534	+ 33.656	0.70	...	...	...	8.218	- 49.761	- 5	...	...
*	34.939	- 27.899	1.40	47. 226	9.6	...	...	7.599	- 48.605	- 5	...	...	...	8.550	- 53.340	- 5	...	...
...	34.201	- 37.856	0.70	...	...	...	...	6.979	+ 45.276	- 3	...	...	...	8.911	- 56.848	0.70	...	...
...	31.416	- 20.426	- 5	...	...	...	...	6.516	- 52.930	0.90	48. 249	10.5	...	10.306	+ 52.829	0.95	...	...
*	31.260	- 45.718	1.80	47. 227	8.6	...	*	6.492	+ 30.049	- 4	...	...	...	+ 10.312	- 32.338	0.90	...	...
...	- 31.138	+ 9.105	1.40	46. 207	9.4	†	...	5.361	- 24.850	- 5	...	...	...	11.165	+ 19.033	0.70	...	...
...	30.519	+ 57.134	- 5	M	...	...	*	5.235	- 42.585	0.80	...	...	...	11.193	+ 15.908	0.75	...	...
S*	27.646	+ 34.567	- 2	...	...	...	*	5.175	+ 9.187	1.30	46. 210	8.9	...	11.341	+ 15.857	- 5	...	...
...	27.279	+ 49.518	1.20	46. 208	8.8	*	4.034	- 54.154	- 4	...	...	*	11.696	+ 7.272	1.05	47. 234	10.0	

NM measured from 1, 66.
C .., .., 28, 116.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.			
91-110																				
91	+12°206	-1°150	-3	o	...	111	+23°912	-24°633	-5	o	...	131	+44°453	-16°071	1°20	47°	244	9°4		
...	13°331	+17°703	0°90	...	...	*	24°131	+28°585	1°50	46°	219	9°2	...	46°914	+35°863	-5	...	...	...
S*	14°347	+54°101	1°50	46°	216	8·6	*	24°675	-3°425	2°60	47°	240	7°4	...	47°135	+44°600	-3	...	...	...
...	14°701	+58°566	-5	...	...	...	27°230	+30°417	-5	m	...	...	...	47°655	+30°780	-5	...	...	...
+	14°775	+5°182	1°60	47°	235	8·2	...	27°885	+1°210	0°65	...	...	...	...	48°800	-25°540	-2	...	...	...
+	+16°044	-39°748	0°70	...	...	...	+31°157	-43°736	-4	...	...	...	+	48°818	-4°843	-4	...	...	...
*	16°177	+15°305	1°10	46°	218	10°0	S*	31°189	-38°484	2°10	47°	241	7°3	*	49°121	-3°289	1°00	47°	245	10°0
*	17°535	-10°222	1°10	47°	236	9°8	...	32°438	+0°055	0°80	a	...	...	...	49°210	+24°512	-5	...	...	...
...	17°686	-56°212	0°70	...	...	...	...	33°132	+34°749	0°75	...	...	...	...	50°328	+23°839	0°80	...	...	...
...	17°771	-14°888	-5	...	...	...	...	33°663	-24°608	-3	...	...	...	...	50°360	+48°306	0°65	...	...	...
101	...	...	...	...	...	...	121	...	...	...	...	...	141	...	...	...	...	...	...
...	+18°623	-13°832	-5	...	...	...	+34°030	+37°650	0°80	...	...	...	+	50°453	-54°520	-3	48°	257	10°4	
*	18°703	-29°575	1°30	47°	237	9°2	*	35°769	-17°226	2°00	47°	242	7°9	...	50°898	-26°830	-4	...	...	...
...	20°020	-29°345	0°80	...	...	...	...	37°869	+14°952	0°95	46°	220	10°0	...	52°367	-12°421	-5	...	...	...
*	20°657	-17°785	1°60	47°	238	9°4	...	37°882	+30°989	-2	...	...	...	...	52°585	-18°739	1°00	47°	246	9°8
*	20°875	-47°422	1°80	47°	239	9°0	...	38°596	-36°481	-5	m	...	S*	53°651	-51°522	1°70	47°	247	8°5	
...	+20°997	+27°730	0°70	...	...	...	+41°624	-40°397	-5	...	...	...	...	+54°491	+4°926	-5	e	...	...
...	21°184	+9°911	0°70	...	...	...	...	42°037	-37°547	-5	...	...	...	...	55°105	+45°486	-4	...	...	...
...	21°548	+40°643	0°70	...	...	...	...	43°331	+31°832	-4	...	...	...	...	59°369	-17°267	-5	...	...	...
...	21°955	+20°335	0°65	...	...	...	...	43°596	-25°997	1°00	47°	243	10°0	...	...	...	...	...	...
...	23°750	-4°447	-5	...	...	...	...	44°108	+13°665	0°65	...	...	...	...	...	...	...	...	...

1-30						31-60						61-90								
I	-59°405	-40°675	-5	o	...	31	-28°945	-6°240	0°70	o	...	61	+0°594	+49°939	0°65	o	...	...
...	59°069	-37°821	-5	...	...	...	28°604	+16°590	1°00	46°	222	10°0	...	1°432	-59°020	0°80	48°	261	10°5
...	58°641	+13°427	-1	...	...	*	28°008	-36°286	1°15	47°	249	9°4	...	2°137	+42°025	-5	m	...	...
S*	57°893	-16°224	1°00	47°	243	10°0	S*	27°292	-21°050	1°15	47°	250	9°4	...	3°539	+34°266	-4
S*	57°353	-16°279	1°20	47°	244	9°4	...	27°285	-43°454	0°90	†	4°904	+33°200	1°00	46°	227	10°0
...	-56°605	+44°452	-3	...	...	...	-26°702	-46°746	1°00	47°	251	10°0	...	+5°327	-5°428	0°95	47°	253	10°0
...	53°491	+48°254	-1	...	...	...	25°815	+38°552	1°00	46°	223	10°0	S*	6°461	+52°489	1°50	46°	228	8°8
...	53°354	-4°909	-4	...	...	...	25°533	+51°390	-5	...	...	...	...	7°532	-11°065	-3	...	...	...
...	53°095	-3°352	1°00	47°	245	10°0	†	23°263	+35°076	0°65	10°527	-30°210	0°85
...	52°744	+23°808	0°70	21°472	+54°768	0°80	13°813	-12°608	-5
II	41	71	...	+14°681	-6°429	0°80	47°	254	10°0
...	-52°720	-25°610	-3	-21°160	+49°887	0°80	15°407	-9°464	-4
...	50°558	-26°818	-4	21°118	-54°961	-3	15°508	+44°012	-4
...	50°130	-54°510	-1	48°	257	10°4	*	20°834	-31°186	1°60	47°	252	9°0	...	15°853	-20°582	-5
*	49°539	-12°378	-5	...	...	...	19°864	+16°461	-4	...	...	...	S*	16°304	-23°163	2°10	47°	255	8°0
*	49°142	-18°687	1°10	47°	246	9°8	S*	19°084	+49°272	1°20	46°	224	9°6	...	+19°194	+28°764	-1
...	-48°657	+45°570	-4	...	...	...	-17°601	+19°648	0°65	...	...	...	...	20°174	-40°468	-5	...	...	...
...	48°001	+5°029	-5	E	...	...	16°204	-22°042	0°70	...	...	...	...	21°678	-17°206	0°70	...	...	...
S*	47°033	-51°408	1°70	47°	247	8·5	...	14°599	+3°310	-4	22°397	-48°419	6·65
S*	43°155	+29°156	1°05	46°	221	9·6	...	14°515	+48°773	-5	25°145	-24°631	-3
...	42°396	-16°990	-5	14°343	+40°621	-5	81	...	+26°879	+16°467	-4
21	51	27°263	-14°629	-3
...	-39°624	+47°192	-4	...	...	...	-13°386	+10°925	-3	...	...	...	...	30°089	-11°465	0°65	...	...	...
...	38°756	+1°968	-4	...	...	...	10°626	+17°916	0°70	...	...	...	...	30°099	-24°330	0°75	...	...	...
...	36°802	-17°714	-3	...	...	...	7°131	-53°287	-5	...	...	...	...	30°660	+27°293	-5	...	...	...
...	35°741	-6°509	-5	...	...	...	7°125	-13°835	-5	...	...	...	S*	+31°193	-3°215	1°40	47°	256	9°0
...	35°255	+14°693	-3	...	...	...	5°212	-52°783	-5	...	...	...	...	31°685	-24°775	0°70	...	...	...
...	-34°632	+14°587	-4	...	...	...	-4°494	+24°435	-3	...	...	...	...	31°820	+27°580	1°00	46°	230	10°0
*	34°559	-52°933	1°40	47°	248	8·8	...	3°208	+13°407	0°95	32°725	-42°576	-5
...	34°499	-17°260	-5	...	...	...	-2°350	+55°755	0°95	...	...	...	...	33°143	+14°617	-5	m	...	...
...	34°133	+52°543	-4	...	...	...	+0°461	-57°280	-5	...	...	...	...	...	...	...	...	...	...
...	31°293	+7°118	-3	...	...	...	S	0°482	+16°150	1°05	46°	225	9°8	...	...	...	...	...	...

C measured from 1, 59.
NM " " 31, 83.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	...	No.	Mag.
91-110																	
91	+33.689	-2.568	-5	°	m	...	III	+45.132	-33.799	0.95	47. 260	10.0					
*	34.289	-36.441	2.00	47. 257	8.2	S *	45.415	-36.040	1.50	47. 261	9.0						
...	34.402	-23.120	-5	...	...	...	45.462	-44.348	-5	...	...				
...	34.738	-32.637	-5	...	...	...	45.477	-44.229	-5	m	...					
...	35.666	-29.120	0.80	...	...	...	46.148	+23.050	0.65	...	...				
S *	+36.063	+4.410	1.50	47. 258	8.6	...	+46.837	-44.348	-4	...	...				
...	36.481	+30.200	0.80	...	...	...	48.675	+40.745	-5	...	...				
*	38.133	-42.636	1.00	...	...	...	49.051	-43.484	-5	...	...				
...	40.148	+57.449	-5	...	...	*	49.624	-21.031	1.10	47. 262	10.0					
...	40.397	-32.583	-5	...	...	†	49.882	+34.658	-5	...	...				
101						I 21											
...	+41.189	+50.896	-5	...	...	*	+50.866	-25.821	1.60	47. 263	9.2					
*	41.800	-32.700	1.00	...	...	...	51.813	-14.316	-1	...	...				
...	42.096	-56.772	-5	...	...	...	51.847	+9.559	-5	e	...					
...	43.267	+4.959	-5	m	...	...	53.018	+31.619	0.70	...	...				
...	43.449	-38.834	-1	...	...	...	53.158	+39.925	-5	...	...				
...	+43.720	+7.386	-5	e	...	...	+53.828	+53.720	-3	...	...				
...	43.899	-25.250	0.70	...	...	...	56.103	+59.238	1.10	46. 232	10.0					
*	44.281	-16.042	1.10	47. 259	9.8	...	57.183	+52.927	1.00	...	...				
...	44.295	-31.904	-4	...	...	*	58.085	+49.143	1.10	46. 233	10.0					
...	44.697	+58.661	-1	...	...	...	58.807	+29.622	0.90	...	...				

I	1-30		31-60		61-90		
	x.	y.	x.	y.	x.	y.	
...	-59.501	+58.423	-5	°	...	...
...	59.479	-32.988	0.90	...	31 *	-33.186	
...	58.848	+7.142	-5	E	32.752	+4.358	
...	57.642	-39.073	-4	...	31.296	-19.617	
...	57.620	-25.481	-3	...	28.905	-6.784	
*	-57.525	-16.260	1.00	47. 259	9.8	S *	27.934
...	57.001	-32.122	-5	...	-27.532	-52.585	
...	56.920	+22.878	-4	...	27.322	-25.933	
...	56.089	-33.980	0.90	47. 260	10.0	*	26.862
S *	55.756	-36.207	1.33	47. 261	9.0	...	26.751
II					41	+	
...	-55.418	-44.519	-5	...	-24.444	+52.825	
...	54.070	-44.475	-5	...	S *	22.823	
...	53.581	+34.597	-5	...	S	21.222	
*	52.029	-21.076	1.00	47. 262	10.0	...	21.149
...	51.877	-43.536	-5	...	S *	20.664	
...	-50.789	+9.569	-5	E	...	-18.137	
*	50.623	-25.818	1.20	47. 263	9.2	...	17.730
...	50.306	+31.646	-4	...	...	17.011
...	50.250	-45.578	-5	M	...	15.388	
...	50.226	+53.778	-5	...	...	14.519
21					51		
...	-50.061	-14.293	-3	...	-14.436	-5.072	
...	48.108	+59.379	-1	46. 232	10.0	*	13.708
...	46.837	+53.087	-2	...	12.802	-35.759	
...	45.811	+49.327	1.00	46. 233	10.0	...	7.233
†	44.462	+29.853	0.85	...	...	7.013
...	-40.428	+27.521	-3	...	S *	-5.860	
...	39.947	-25.750	-3	...	...	+26.265
...	35.972	+1.365	-4	A	...	1.050	
...	33.679	-19.462	0.80	...	...	3.160
...	33.626	+23.836	0.85	...	+	0.858	
...						-53.334	
...						-	
						L measured from 1, 60. MC 34, 84.	

- 47°

No. 15

CAPE ASTROGRAPHIC ZONE.

1905·93

2^h 25^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
91-100																	
91	+42°737	+0°188	-4	o	...	...	+52°490	-47°625	0°70	47°275	10°0	III	+58°759	+53°289	-4	o	...
...	43°743	+24°123	1°40	46°241	9°0	...	52°963	-5°400	-5	m	...	...	...	...	...	...	...
...	46°018	+3°429	-4	...	...	...	53°194	+10°373	-2	...	...	...	...	...	...	...	...
...	46°413	+9°046	-5	m	...	...	53°511	-45°708	-4	...	...	...	...	...	...	...	...
...	47°880	+41°250	-5	...	...	S *	53°590	-18°083	1°75	47°276	8°6	...	...	...	...	...	...
...	+48°552	-57°579	-1	48°288	10°0	...	+53°936	+12°531	-4	...	...	...	...	...	...	...	...
S *	48°762	+9°169	1°00	46°242	9°4	...	54°057	+33°287	-4	...	...	...	...	...	...	...	...
...	49°531	+23°433	-4	...	...	...	54°769	-55°659	-3	...	...	...	...	...	...	...	...
...	50°890	+12°069	0°65	...	...	...	56°984	-57°941	-4	...	...	...	...	...	...	...	...
...	51°719	-21°026	-4	...	...	...	58°553	-33°226	-2	...	...	...	...	...	...	...	...

- 47°

No. 16

D,-3

1902·94

2^h 35^m

1-40						41-80						81-120						
I	-59°596	-0°084	0°65	o	F	...	41	-23°979	-19°268	-2	o	...	81	+10°652	-58°809	-5	o	...
*	59°332	+23°856	1°60	46°241	9°0	...	22°408	-2°929	-5	M	...	*	11°193	+36°903	1°20	46°248	9°6	
...	56°387	+3°265	-1	...	...	...	20°681	+4°255	-5	M	...	...	12°261	-6°917	-1	...	...
S *	55°761	+41°141	-5	...	...	...	20°256	-20°853	-4	...	...	...	12°590	+29°676	-1	...	...
...	53°856	+9°080	1°20	46°242	9°4	†	19°809	-52°667	-3	...	...	...	12°849	+8°833	-4	...	...
...	-53°526	+23°367	-1	...	...	...	-19°186	-34°188	-5	...	...	...	+13°284	-53°377	-1	...	...
...	51°916	-57°641	0°90	48°288	10°0	...	19°113	+46°915	-2	...	...	...	13°847	+7°364	0°95	...	...
...	51°806	+12°054	1°00	...	...	...	18°108	-13°506	-4	...	...	...	14°424	-2°434	-5	...	...
...	49°924	-21°001	-3	...	...	...	17°133	-28°146	-3	...	...	...	15°762	-9°688	0°75	...	...
...	49°462	+10°431	0°70	...	...	...	17°003	+26°737	-3	...	...	*	15°820	+39°192	1°20	46°249	9°8
II	51	91	...	+16°626	+51°328	-1
...	-49°337	+33°353	-3	...	...	...	-15°232	-40°335	0°75	47°279	10°0	...	17°743	+2°871	-5	m	...
...	48°775	+12°612	-4	...	...	*	14°211	-18°124	1°00	47°280	9°8	...	18°015	-5°624	-5	...	...
S *	48°304	-47°569	1°00	47°275	10°0	...	13°456	+17°501	-1	...	...	...	18°154	-44°240	-5	m	...
...	48°155	-18°003	1°60	47°276	8°6	...	12°627	+3°365	0°65	...	...	...	18°278	+36°811	1°20	46°250	9°8
...	47°347	-45°613	-4	...	...	†	12°066	-4°820	2°00	47°281	7°8	*	18°293	+48°914	-5	...	...
...	-45°782	-55°507	-1	...	...	...	-11°773	+34°077	-4	M	...	...	+20°193	+27°495	1°20	46°251	9°5
...	45°253	+53°493	0°85	...	...	...	11°286	-25°713	-3	...	...	*	20°293	+28°734	-4	...	...
...	43°486	-57°730	-2	...	...	S *	10°681	-49°530	1°40	47°282	8°7	...	21°437	-41°017	-4	...	...
...	42°705	-32°982	0°85	...	...	*	10°074	-46°891	1°20	47°283	9°4	...	21°737	-46°081	1°60	47°288	9°6
...	42°558	+45°922	1°00	46°243	10°0	...	9°520	-47°995	-4	...	...	...	21°915	-36°223	-5	m	...
21	61	IOI	...	+22°792	-51°917	-1
...	-40°014	+16°314	0°70	...	...	...	-9°510	+0°385	-1	α	...	...	23°319	-24°933	0°80	...	...
...	39°315	+24°227	-5	...	...	*	9°388	+56°839	1°40	46°246	9°4	...	23°328	-33°955	-5	...	...
...	38°681	+17°965	-1	...	...	...	7°987	-20°472	-5	...	...	S *	24°123	+35°796	1°40	46°252	9°2
...	38°371	-15°506	-1	...	...	...	3°789	+46°668	-5	...	...	...	24°551	+28°751	-3	...	...
...	37°894	-44°201	-1	...	...	...	3°590	+25°234	-3	...	...	...	+26°389	-54°038	1°40	48°303	9°7
...	-36°742	+11°238	-3	...	...	*	1°452	-32°838	1°00	47°284	9°8	S *	27°290	-17°844	-5	...	...
...	36°582	-16°868	-4	...	...	S *	1°214	-13°969	1°40	47°285	9°1	...	28°721	-12°346	0°80	...	...
†	34°871	-15°451	-2	...	...	...	1°171	+49°262	-5	M	...	...	28°724	-19°242	-5	m	...
...	34°331	-8°781	0°65	...	...	...	1°154	+6°844	-5	M m	...	...	31°221	-36°223	-5	m	...
...	32°327	-25°961	1°00	...	...	S *	-1°150	+46°321	1°30	46°247	9°2	...	...	...	...	...	...
31	71	III	...	+31°436	+14°489	-5	m	...
...	-32°117	-30°249	0°70	...	...	*	+0°450	-13°806	1°60	47°286	8°8	S *	31°569	-33°506	2°00	47°289	8°2
...	31°856	+35°998	-5	...	...	...	3°683	-15°133	0°75	...	...	*	31°910	+3°962	1°00	...	...
...	31°537	-14°837	0°75	...	...	...	5°388	-5°497	0°90	...	...	...	31°919	-1°971	-3	...	...
...	31°327	-4°120	-5	...	...	*	5°447	-33°843	1°00	...	...	...	32°376	+51°915	-1	...	...
...	27°028	+12°690	-4	...	...	*	5°796	-46°492	1°10	...	...	...	33°436	+14°489	-5	m	...
S *	-26°000	+18°516	1°60	46°245	8°6	...	+7°745	+47°752	-5	M m	...	*	33°435	-50°507	1°05	47°290	9°8	
S *	25°885	-31°210	1°50	47°277	8°6	...	8°170	+14°841	0°90	...	...	*	33°519	-53°359	0°65	...	...
...	25°571	+46°526	-4	...	...	*	8°841	-7°983	1°20	47°287	9°6	...	33°685	-24°162	-5	...	...
*	25°181	-38°382	1°00	47°278	9°8	...	10°501	+27°563	-1	*	33°692	-58°337	1°40	48°304	9°1	
...	24°386	-47°180	-4	10°632	-55°583	-5	*	

NM measured from 1, 71.
C .. " .. 35, 110.2^h 35^m

18

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No. es.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
121-130																	
121	+34°627	-52°666	-3	o	...	...	+50°269	+17°403	-5	o	...	...	...	...	...	...	...
...	+35°033	+3°720	-4	...	...	S *	50°932	+7°729	1°40	46. 254	9°1	...	...	...	...	...	...
*	36°239	+2°917	3°00	47. 291	7°1	...	52°389	+38°205	-2	...	...	...	...	...	...	...	...
...	40°340	-1°932	-4	...	...	...	52°641	+52°036	-5	...	...	...	...	...	...	...	...
...	43°184	+50°532	0°90	...	...	*	55°933	+10°738	1°15	46. 255	9°4	...	...	...	...	...	...
...	+43°527	+21°930	-1	...	...	...	+56°147	-26°973	-4	...	...	...	...	...	...	...	...
...	47°663	-21°776	-5	...	...	...	57°306	-51°175	-5	...	...	...	...	...	...	...	...
*	47°812	+2°978	1°10	47. 292	9°5	...	58°954	-20°944	-5	...	...	...	...	...	...	...	...
...	48°234	-42°558	1°00	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°680	-44°057	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
131-138																	

1-40						41-80						81-120							
I	,	+	21°676	-2	o	...	-19°228	+11°013	-3	o	81	+	7°280	-32°757	1°30	47. 297	9°2
...	-59°490	+2°875	1°05	47. 292	9°5	...	19°067	-32°332	-5	...	...	...	S *	11°871	+37°343	-3	...	...
*	54°596	+2°875	1°05	47. 292	9°5	...	18°802	-17°376	-5	M	...	...	...	12°526	+34°745	-4	...	...
...	53°959	-21°870	-5	...	...	...	18°420	+6°713	-5	M	...	...	...	13°211	-20°503	-4	...	...
...	52°734	-42°638	1°00	...	...	...	18°055	+19°771	-4	...	...	...	*	16°146	+23°070	1°10	46. 261	9°4
...	52°612	+17°375	-5	...	...	...	-16°835	-0°802	-4	...	...	...	...	+16°917	+42°722	-3	...	...
...	-52°223	-44°126	-4	...	...	...	16°322	+29°858	-1	...	...	...	...	17°134	-16°240	-4	...	...
S *	51°627	+7°721	1°40	46. 254	9°1	...	15°967	-21°225	-5	...	...	...	...	17°263	+32°349	-5	...	...
...	51°342	+52°062	-5	...	...	S *	15°948	-25°390	1°30	47. 295	9°2	...	...	19°050	-21°409	-5	m	...
*	51°141	+38°223	-1	...	...	...	15°559	-52°668	-4	...	...	...	...	20°978	-35°557	-5	m	...
II	46°736	+10°896	1°20	46. 255	9°4	51	...	...	...	...	...	91	...	+21°391	-13°694	-2	...	...
...	-45°433	-24°482	-5	M	...	-14°004	-25°238	0°65	...	...	...	...	...	21°925	-11°293	0°80	...	...
...	45°327	-26°803	-3	...	...	...	13°628	-13°014	-5	...	...	...	...	22°007	+37°813	0°80	...	...
...	43°392	-50°940	-4	...	...	...	13°602	-10°600	0°70	...	...	...	...	22°709	+55°357	-5	...	...
...	43°218	+18°843	-5	M	...	...	13°236	-44°157	-1	...	...	...	...	23°179	-37°221	-5	m	...
...	42°703	-20°676	-4	...	...	...	12°940	+55°855	-5	M	...	...	...	+26°603	+1°393	1°00	47. 298	9°8
...	-40°367	-52°470	-5	...	...	...	-11°001	-16°148	-5	...	...	...	S *	27°422	+35°493	1°90	46. 262	7°7
...	38°784	-48°423	0°70	...	...	...	10°954	-41°825	0°90	...	...	...	...	27°504	+47°179	-5	m	...
...	38°501	-40°288	-5	...	...	*	10°301	+49°786	1°00	...	...	...	...	28°759	+23°769	0°75	...	...
...	36°599	+41°565	-1	...	...	†	10°071	-48°518	0°70	...	...	...	...	29°600	-53°013	-5	...	...
S *	35°114	-35°448	1°20	47. 293	9°0	...	8°952	-3°943	-5	M m	...	...	...	...	...	...	...	...
21	...	...	...	...	...	61	...	...	...	...	...	101	...	+29°847	+29°983	0°70	...	...
S *	-34°155	-52°819	-5	...	...	-7°800	+45°444	0°75	...	...	...	...	...	29°870	-40°692	1°15	47. 299	9°8
...	34°054	+17°332	2°10	46. 256	7°7	...	7°515	+54°831	0°80	...	...	...	...	30°318	-58°138	-5	...	...
...	33°689	-18°851	-4	...	...	...	7°206	+48°405	-5	m	...	...	...	30°940	-8°230	0°70	...	...
...	32°783	+8°892	-3	...	...	...	6°181	+6°316	0°75	m	...	...	...	31°482	+22°504	0°65	...	...
*	31°857	+1°146	1°60	47. 294	8°4	...	6°089	-51°946	-5	...	...	...	...	+31°898	+56°034	-1	...	...
...	-31°800	-20°731	-3	...	...	...	-4°751	+55°696	-5	M m	...	...	S *	32°963	-36°986	1°20	47. 300	9°1
...	31°517	+55°748	-4	...	...	*	4°427	-46°825	1°00	...	...	...	...	33°286	-17°913	-5	m	...
...	30°622	-23°719	-5	...	...	...	3°842	-13°024	-4	m	...	...	S *	33°703	-24°380	1°05	47. 301	9°4
...	28°939	+37°861	-2	...	...	...	3°436	-27°023	-5	...	...	...	...	34°553	-38°966	-5	...	...
S *	28°610	+58°256	2°00	46. 257	8°2	...	3°230	-48°003	0°80	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	71	...	...	...	...	...	...	...	...	...	...	...	...
...	-27°918	+10°622	-5	M	...	-2°851	-50°441	1°05	...	...	...	...	S *	+35°253	-19°766	-4	...	...
...	26°945	-3°760	-5	M	...	+ 0°433	-25°622	0°90	47. 296	9°8	...	...	...	36°036	+35°335	-5	...	...
...	26°800	-22°243	-5	M	...	[0°438	-25°679	-5	M m	...	...	...	...	36°998	-34°824	0°70	...	...
*	26°018	-11°004	1°00	...	...	0°466	-22°670	0°65	...	...	...	...	...	37°407	-21°259	-5	m	...
...	24°813	+50°629	-5	M	...	S *	3°206	+14°235	2°00	46. 259	7°7	...	...	37°886	-23°562	-4	...	...
...	-24°338	+58°979	-5	...	...	+ 3°326	+44°467	0°90	...	...	...	...	...	+40°045	-48°925	1°20	47. 302	9°8
...	24°293	+43°652	0°75	...	...	*	4°423	+31°917	1°00	46. 260	9°8	...	...	40°156	+22°260	-5	m	...
*	23°385	+22°854	1°10	46. 258	9°5	...	5°287	+31°155	0°70	...	...	...	...	40°850	+28°996	1°10	46. 263	9°5
...	21°779	+5°468	-1	...	...	...	5°595	-31°484	-3	...	...	...	...	41°296	+53°391	-3	...	...
...	19°311	-48°775	-4	...	...	...	7°176	+28°444	-3	...	...	...	...	41°495	-22°755	0°95	...	...

C measured from 1, 72.
NM 29, 101.

- 47°

No. 17

CAPE ASTROGRAPHIC ZONE.

1902·94

2^h 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	...	No.	Mag.		x.	y.	...	No.	Mag.
121-130																	
I 21	+41°659	+46°546	-5	o	...	...									
...	42°908	-33°331	0°65	...	...	S *	43°663	+45°692	1°60	46°264	8·8						
S *	43°663	+45°692	1°60	46°264	8·8												
...	45°286	+45°311	0°65	...	...										
*	46°332	-47°859	1°20	47°303	9·8												
...	+46°419	+10°367	0°70	e	...												
...	51°278	+28°946	-5	...	...										
...	54°153	-14°662	-5	e	...												
...	54°260	+45°395	-1	...	...										
...	58°719	-3°913	0°75	...	...										

- 47°

No. 18

D,-3

1902·94

2^h 55^m

1-40					41-80					81-120										
I	-58°474	+45°087	-1	o	41	-16°207	-28°748	-5	o	81	+ 9°097	-51°405	-5	o M	...	
†	58°358	-33°580	-2	S *	15°730	+17°358	1°50	46°269	8·6	91	+ 10°244	+ 7°194	-1	
...	56°239	+10°192	0°80	E	14°868	-35°515	-4	10	+ 10°538	+ 27°903	0°70	
*	54°448	-47°993	1°20	47°303	9·8	...	13°581	+19°178	0°90	46°270	9·8	11	+ 10°621	+ 58°510	-5	m	...	
...	51°960	+28°930	-5	11°998	-13°861	0°80	12	+ 11°234	-38°286	-5	m	...	
...	-49°508	+45°470	-1	-11°470	+26°434	0°80	13	+ 11°832	+ 43°807	-5	
...	48°942	-28°806	-5	M	11°364	+16°613	-5	M	14	+ 11°876	-23°652	0°95	
...	47°703	-14°557	-5	E	11°353	+50°214	-4	15	+ 13°282	-20°336	0°70	
...	47°094	-17°087	-4	10°985	-56°885	-5	16	+ 13°910	+ 0°927	-5	
...	44°092	-29°789	-5	...	...	...	10°447	-13°386	1°00	47°306	9·8	S *	17	+ 17°282	-48°911	2°50	47°314	7·4
II						51						91								
...	-43°968	+42°360	-5	M	-10°412	-12°079	0°90	47°307	9·8	...	+ 17°695	-56°247	-5	
...	43°501	-3°677	0°70	...	...	...	10°230	-8°483	-5	...	...	...	17	+ 17°949	+ 2°342	-5	m	...
...	42°695	+34°202	-5	M	...	...	10°089	+29°398	0°70	...	...	...	18	+ 18°228	-2°622	0°70	...	...
...	39°443	-43°322	-5	...	...	...	9°518	+22°396	-5	...	...	...	19	+ 18°338	+ 49°670	-5	...	...
S *	37°014	-34°802	1°00	...	...	...	8°928	-22°658	-5	M m	...	...	20	+ 18°792	+ 45°198	1°00	46°273	9·8
...	-36°557	-18°644	0°80	...	...	...	8°588	+49°944	-5	...	...	...	21	+ 18°903	+ 46°030	0°65	...	...
*	35°485	+52°827	1°15	...	...	...	7°068	+46°047	-4	...	...	...	22	+ 19°144	+ 14°458	-5	...	...
...	34°554	-19°102	0°90	...	...	S *	6°959	+55°723	1°60	46°271	8·5	...	23	+ 20°880	+ 12°459	1°05	46°274	9·8
...	33°307	-44°067	-5	M	...	...	6°688	+2°414	1°60	47°308	8·5	...	24	+ 20°910	+ 53°298	1°05	...	...
S *	32°792	+23°231	1°20	46°266	8·8	...	6°275	+44°959	-5	M	...	...	25	+ 21°625	-8°754	-5	m	...
21						61						101								
...	-32°642	+44°027	0°80	...	...	...	-5°644	+35°787	-5	M	...	...	26	+ 21°667	-27°755	0°95	...	...
...	31°857	+6°885	-5	M	...	...	3°526	+25°474	-3	...	...	...	27	+ 21°868	+ 12°039	-4	...	...
...	31°069	+0°773	0°75	...	...	...	3°022	+21°220	-5	M m	...	...	28	+ 21°883	-18°552	-5	...	...
...	30°994	+17°034	0°75	...	...	...	2°518	+38°566	-5	M	...	...	29	+ 21°939	+ 44°341	-5	m	...
...	29°544	+11°081	-1	...	...	...	2°438	-44°018	1°00	47°309	9·8	...	30	+ 22°034	-20°072	-4	...	...
...	-25°257	-0°593	-2	...	...	...	2°196	-57°877	0°65	...	...	...	31	+ 22°296	+ 12°569	-5	...	...
...	24°221	-58°802	-4	...	...	S *	+ 0°157	-29°117	1°50	47°310	8·6	...	32	+ 23°026	+ 42°610	0°85	...	...
...	23°277	+7°306	0°75	...	...	...	0°563	+36°014	0°75	...	...	...	33	+ 24°101	+ 43°688	0°65	...	...
...	21°611	+6°800	-5	M	...	...	1°039	+59°235	0°70	...	...	S *	34	+ 24°905	+ 22°227	1°05	46°275	9·4
...	21°397	+37°569	-5	...	...	...	1°083	-47°921	1°20	47°311	9·4	...	35	+ 26°014	-34°450	-5	m	...
31						71						III								
...	-20°549	+27°851	-4	...	...	...	+ 1°876	-49°232	0°90	...	...	...	36	+ 27°059	+ 14°418	0°70	...	...
...	19°867	+52°801	1°00	46°267	9·8	...	2°878	+42°794	-4	...	...	...	37	+ 28°181	-9°540	-5	m	...
...	19°647	-8°899	-4	...	...	...	4°337	-17°825	-5	M m	...	...	38	+ 29°146	+ 27°202	-5	m	...
...	19°167	+52°201	-5	...	...	...	4°659	-50°159	1°10	47°312	9·8	...	39	+ 31°386	+ 29°002	-5	...	...
S *	17°609	-16°650	1°20	47°304	9·1	...	5°724	+25°587	0°80	...	...	...	40	+ 32°007	-38°960	1°00	47°315	9·6
...	-17°134	-7°656	1°60	47°305	8·3	...	6°545	+25°987	-5	M	...	...	41	+ 34°112	+ 39°703	0°80	...	...
...	17°045	-37°913	-5	...	...	...	7°318	-25°403	1°10	47°313	9·4	...	42	+ 35°063	-33°933	0°90	...	...
*	16°637	+48°480	1°10	46°268	9·4	...	7°741	+46°723	-3	...	...	S *	43	+ 35°203	-57°370	2°60	48°324	7·6
...	16°399	+43°410	0°85	...	...	...	8°166	+49°149	-2	...	...	...	44	+ 35°215	-4°154	-3	...	...
...	16°343	+21°749	-5	M	...	...	9°008	+59°294	1°15	46°272	9·6	...	45	+ 35°554	+ 28°736	-3	...	...

NM measured from 1, 67.
C " " 25, 114.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3	No.	Mag.		x.	y.	-3.	No.	Mag.
121-130																	
121	+36°258	+18°602	-5	o	...	...	+46°405	+28°505	0°70	o	...	...	+55°766	-30°455	1°00	47° 321	9°8
...	37°596	-51°787	1°10	47° 316	9°8	...	48°157	-25°411	-5	...	...	...	56°550	+15°560	-3	...	...
...	39°458	+4°641	-4	...	...	...	49°517	-12°501	-2	...	...	...	57°220	-51°342	-5	e	...
S*	39°508	+3°072	1°00	47° 317	9°6	†	49°729	+1°522	-3	...	...	...	58°114	-52°151	-1	47° 322	9°8
...	40°102	-40°513	-5	m	...	...	50°457	-28°714	0°65	...	...	...	141-144				
...	+40°662	-10°937	-4	...	...	...	+51°022	+28°609	0°90	46° 276	9°8	...	141-144				
...	41°260	-33°589	0°65	...	...	...	52°127	-42°330	-5	...	...	...	141-144				
...	43°569	-21°763	-4	...	...	*	52°371	-41°722	1°10	47° 319	9°8	...	141-144				
S*	45°842	-22°338	3°00	47° 318	7°3	*	53°436	-9°005	1°00	47° 320	9°8	...	141-144				
...	46°130	+57°150	-1	...	...	...	55°563	-6°124	-3	...	...	...	141-144				

1-40						41-80						81-118							
I	-58°011	+56°968	-4	o	...	...	-15°873	+34°015	0°75	...	...	81	+22°802	+16°441	1°10	46° 286	8°7
...	56°806	+28°337	-3	...	...	*	15°539	+59°584	1°05	46° 280	9°8	*	23°387	+31°828	1°10	46° 287	8°9
S*	55°747	-22°499	2°70	47° 318	7°3	...	15°355	-9°372	0°65	...	...	...	24°733	-26°588	-4	...	...
...	52°633	+1°477	-3	...	...	*	15°351	+26°000	1°00	46° 281	9°8	...	25°813	+27°036	-5	m	...
...	52°414	-12°541	-3	...	...	*	14°247	+43°369	1°10	46° 282	9°4	*	27°523	+16°193	1°50	46° 288	8°0
...	-52°198	+28°596	0°80	46° 276	9°8	...	-12°952	-3°936	0°70	...	...	...	+29°132	+5°540	-5	m	...
...	50°960	-28°716	0°65	...	...	...	11°550	-21°957	0°90	...	...	...	29°402	+28°107	-5	m	...
...	48°840	-42°274	-5	...	...	...	10°846	-35°606	0°80	...	...	...	29°648	-23°587	-4	...	...
*	48°618	-41°657	1°10	47° 319	9°8	...	9°455	+15°217	0°80	...	...	...	30°121	+23°361	-4	...	...
...	48°602	-8°925	0°90	47° 320	9°8	S*	8°935	+37°453	1°00	46° 283	9°0	...	30°404	-15°153	-1	...	...
II	-46°561	-5°979	-2	51	S*	-8°051	-25°194	1°70	47° 326	8°0	91	*	+32°308	+58°975	1°40	46° 289	9°2
...	46°281	+15°728	-3	...	...	...	7°676	-16°988	0°80	...	...	...	36°674	+21°636	0°75	...	...
...	45°584	-30°284	0°80	47° 321	9°8	...	5°593	-15°727	0°80	...	...	...	38°072	+24°343	-5	...	...
...	43°464	-51°122	-5	E	...	*	2°944	+41°684	1°00	46° 284	9°8	...	38°408	-53°686	0°80	...	...
...	42°565	-51°891	0°75	47° 322	9°8	...	2°807	+9°753	0°70	...	...	...	38°839	+36°962	0°90	...	...
...	-42°463	+58°906	0°95	46° 277	9°8	*	-1°822	-14°162	1°00	...	...	*	+41°055	-30°168	1°00	47° 330	9°8
*	41°148	-16°576	1°00	47° 323	9°6	...	-1°433	+28°743	-5	m	...	S*	41°833	+7°894	2°00	46° 290	7°4		
...	39°568	-48°362	-5	...	...	...	+0°213	+3°940	0°80	...	...	*	41°912	-40°638	1°10	47° 331	9°6
...	37°336	+37°367	0°70	...	...	*	1°046	-26°237	1°00	47° 327	9°6	...	41°919	-23°686	0°70	...	...
S*	37°001	-51°318	1°00	47° 324	9°8	...	1°614	-41°202	-4	...	...	...	43°152	+26°630	0°70	...	...
21	-36°052	+48°417	0°90	46° 278	9°8	61	...	+2°143	-42°071	-3	+44°047	+7°218	-5	e	...	
...	34°400	+27°440	0°70	...	...	...	5°547	+10°682	-2	...	...	...	46°004	+50°755	0°85	...	...
...	33°431	+40°492	0°70	...	...	...	6°722	+1°084	-4	m	...	S*	46°476	-32°065	2°20	47° 332	7°1
...	32°934	+7°485	-4	...	...	...	7°099	+21°343	-2	...	...	...	46°502	+49°003	-5	...	...
...	30°980	+14°506	-4	...	...	...	7°903	-11°526	-5	M b	...	...	46°546	+22°522	-3	e	...
...	-28°353	-25°431	0°70	...	...	...	8°940	+30°154	-3	...	...	...	+46°773	+15°506	0°65	...	...
...	27°776	-32°396	-3	...	...	...	9°211	+33°328	-4	...	...	...	48°405	-24°478	1°00	...	...
...	27°322	+26°061	-1	...	...	...	9°260	+24°271	-3	...	...	...	50°259	+18°434	-5	...	...
...	26°940	-51°167	-5	...	...	S*	10°394	+44°013	1°40	46° 285	8°4	...	50°621	+14°638	1°00	46° 291	9°8
...	26°906	+49°369	-4	...	...	...	13°794	-7°601	-3	...	...	*	51°287	-18°569	1°05	47° 333	9°6
31	S*	-26°424	+25°352	1°00	46° 279	9°8	S*	+13°923	-14°932	1°10	47° 328	8°9	S*	+53°139	-34°496	1°80	47° 334	8°0	
...	25°656	-28°092	-1	...	...	...	15°519	+52°555	-5	...	...	...	53°197	+3°434	-1	...	...
...	25°651	+12°615	0°70	...	...	...	16°768	-0°824	-5	m	...	S*	53°229	+42°212	2°10	46° 292	8°0
...	24°923	+14°919	0°65	...	...	...	17°463	-17°096	-2	...	...	*	54°283	+46°067	1°60	46° 293	8°3
...	22°938	+49°864	0°65	...	...	...	17°780	-7°189	-4	...	...	...	56°921	+35°726	-4	...	...
...	-22°302	-33°564	0°70	...	...	...	+19°144	-17°674	-3	...	...	*	+58°489	+54°241	1°20	46° 295	9°4
...	21°898	+24°260	-4	...	...	*	19°283	+3°251	0°90	47° 329	9°8	...	58°857	-26°841	-5	...	...
*	19°782	+1°910	1°10	47° 325	9°6	...	19°579	+23°358	-2	...	...	...	59°297	-25°100	1°05	...	...
...	18°196	-32°404	-4	...	...	†	22°573	+35°063	-1	...	...	...	141-144				
...	17°521	-8°840	0°70	...	...	...	22°641	+41°114	-5	m	...	...	141-144				

C measured from 1, 58.
NM 26, 89.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
1-60																		
I	-59·657	-23·974	0·70	°	61	-7·633	+25·933	1·05	46° 308	9·0	121	+37·517	-28·980	-3	°	...
*	59·120	-40·918	1·20	47. 331	9·6	†	7·456	-49·705	0·70	...	...	...	37·722	-20·986	-2	...	...
...	58·497	+ 6·986	- 5	E	...	...	6·067	- 1·596	0·70	...	...	...	37·892	+ 6·614	- 5	...	...
...	57·951	+ 50·589	- 1	...	...	...	4·672	- 24·389	- 4	...	...	...	38·096	+ 10·397	- 4	...	...
...	57·382	+ 48·829	- 5	...	...	...	3·821	+ 1·445	- 3	...	...	...	38·282	+ 7·273	- 4	...	...
...	-56·493	+ 22·381	- 5	E	...	...	- 3·189	- 46·549	0·70	...	...	...	+ 38·520	+ 26·959	0·70	...	...
...	56·041	+ 15·367	- 4	...	...	...	2·551	- 59·339	- 5	...	...	...	* 38·613	- 31·527	- 3	...	...
S*	54·805	- 32·201	2·50	47. 332	7·1	...	1·518	+ 49·348	- 5	m	...	...	39·131	- 45·639	0·80	...	...
*	53·145	- 24·559	0·95	- 0·636	- 12·997	- 5	M m	S*	39·455	- 7·358	2·00	47. 341	7·2
...	52·657	+ 18·411	- 5	...	...	...	+ 0·331	- 23·227	- 5	m	...	...	43·005	- 28·735	0·90	47. 342	9·8
II	71																	
*	-52·167	+ 14·611	1·00	46. 291	9·8	...	+ 0·806	+ 30·727	- 5	...	...	...	+ 43·006	- 57·247	- 4	...	...
*	50·450	- 18·567	1·05	47. 333	9·6	S*	2·377	- 18·274	1·00	47. 338	9·6	...	46·965	- 5·491	- 5	...	...
S*	50·442	+ 42·267	1·90	46. 292	8·0	...	3·746	- 7·561	0·65	...	...	...	47·151	- 28·591	- 2	...	...
*	49·505	+ 46·146	1·80	46. 293	8·3	*	7·355	+ 12·232	0·95	46. 309	9·6	*	47·741	- 1·373	1·10	47. 343	9·1	
...	49·231	+ 3·497	0·65	...	...	†	7·504	+ 25·138	0·65	...	...	...	48·971	+ 55·498	- 1	...	...
S*	-48·084	- 34·421	1·80	47. 334	8·0	...	+ 8·319	+ 57·480	0·90	46. 310	9·8	...	+ 51·079	- 5·880	- 4	a	...	
...	46·527	+ 35·897	0·70	...	...	...	9·147	+ 46·702	- 5	m	...	...	51·363	- 18·292	- 5	...	...
...	45·566	+ 54·451	1·40	46. 295	9·4	...	9·551	+ 46·707	0·90	46. 311	9·8	...	51·584	- 30·263	- 5	...	...
...	42·615	- 26·607	- 4	...	...	...	10·368	- 53·732	- 5	m	...	...	54·498	- 10·865	0·75	...	...
*	42·210	- 24·911	1·00	...	...	...	10·445	+ 59·869	0·90	...	...	...	56·455	+ 49·279	- 2	...	...
21	81																	
...	-38·165	+ 40·906	- 2	...	...	S†	+ 11·696	- 54·785	1·30	48. 348	9·0	...	+ 56·723	- 14·386	- 5	...	...
...	37·470	- 4·402	- 4	...	...	...	11·987	- 53·048	- 5	m	...	...	56·887	+ 49·988	- 4	...	...
...	36·945	- 46·300	- 1	12·359	- 51·413	- 1	S	57·060	- 56·161	1·05	48. 358	9·4
...	36·383	- 4·975	0·70	...	...	*	13·333	+ 26·476	1·80	46. 312	8·2	...	57·162	- 53·266	- 2	...	...
*	34·167	+ 57·500	3·00	46. 298	7·4	...	13·443	+ 43·734	- 1	...	...	...	57·745	+ 46·721	- 3	...	...
*	-33·997	+ 21·082	1·15	46. 297	9·0	...	+ 15·610	+ 51·465	- 5	m	...	...	+ 58·200	- 12·005	0·75	...	...
...	33·915	+ 11·406	- 2	...	...	*	16·597	+ 35·670	1·00	46. 313	9·8	...	59·082	+ 49·291	1·00	46. 316	9·4
...	33·258	+ 14·891	- 5	...	...	...	17·008	+ 15·698	- 5	m	...	...	59·383	- 7·936	0·95	...	...
...	32·150	+ 37·473	- 5	...	...	...	18·967	- 37·795	- 4	...	...	...			
*	30·846	- 16·806	1·00	47. 335	9·8	S N *	20·158	+ 48·638	1·50	46. 314	8·2	...						
31	91																	
...	-29·773	+ 13·631	- 5	M	...	...	+ 21·272	- 19·955	- 4	...	...	...			
†	25·032	+ 51·317	- 3	...	...	...	21·309	+ 43·322	0·70	...	...	...			
†	23·617	- 9·812	- 3	...	...	...	21·486	- 39·490	- 4	...	...	...			
...	23·121	+ 55·901	- 4	...	...	...	22·274	+ 19·190	- 5	...	...	...			
...	22·725	+ 55·506	- 5	...	...	...	22·976	+ 26·828	0·70	...	...	...			
...	-21·270	+ 38·274	- 5	...	...	...	+ 23·831	+ 57·741	0·70	...	...	...			
...	21·124	+ 0·689	0·70	...	...	...	24·097	+ 11·385	- 2	...	...	...			
...	21·092	+ 58·729	0·70	...	...	...	26·721	+ 52·421	- 4	...	...	...			
...	20·886	- 42·958	- 2	...	...	...	26·828	- 36·019	- 5	...	...	...			
...	19·846	- 45·791	- 5	...	...	...	27·446	- 5·135	- 5	...	...	...			
41	101																	
*	-18·044	+ 6·660	0·90	46. 301	9·4	...	+ 27·803	+ 29·304	0·80	...	...	...			
*	17·974	+ 43·439	1·00	46. 302	9·8	...	27·899	+ 58·043	- 5	m	...	...				
S†	17·675	- 39·806	1·40	47. 336	8·2	*	28·790	- 9·002	0·95	47. 339	9·6	...						
*	17·583	+ 54·623	1·15	46. 303	9·1	...	28·935	- 26·199	- 5	...	...	...			
...	16·886	+ 53·562	- 2	...	...	...	29·590	- 29·421	- 5	m	...	...				
*	-16·711	+ 29·943	1·40	46. 304	8·3	...	+ 30·926	+ 4·408	- 4	...	...	...			
S*	16·363	+ 52·809	1·30	46. 305	8·6	...	31·316	- 32·363	0·80	...	...	...			
...	14·928	+ 45·343	- 5	M	...	*	31·358	- 15·070	1·10	47. 340	9·4	...						
...	14·882	- 6·795	- 4	...	...	...	31·535	+ 51·123	- 5	...	...	...			
...	13·170	- 38·503	0·90	...	...	S*	31·891	+ 13·575	1·05	46. 315	9·0	...					
51	111																	
...	-13·115	- 14·553	0·70	...	...	...	+ 32·210	- 34·000	- 3	...	...	...			
...	12·764	- 40·810	- 4	...	...	...	32·584	- 41·731	- 4	...	...	...			
...	12·231	- 22·584	0·80	47. 337	9·8	...	32·817	- 7·137	- 5	m	...	...				
...	11·402	+ 26·805	- 2	...	...	...	33·366	- 52·469	- 5	...	...	...			
...	10·567	- 59·437	- 4	...	...	...	33·988	+ 20·144	- 3	...	...	...			
†	-10·039	- 33·208	- 5	...	...	...	+ 34·581	- 10·403	- 4	...	...	...			
...	9·976	- 6·016	0·65	...	...	...	36·104	+ 30·587	- 4	b	...	...				
...	9·397	+ 4·307	- 3	...	...	...	36·602	- 33·779	- 4	...	...	...			
*	8·527	+ 43·866	0·95	46. 306	9·6	...	37·026	- 11·539	- 2	...	...	...			
*	7·952	+ 52·410	1·00	46. 307	9·6	...	37·512	- 13·009	- 5	m	...	...				

NM measured from 1, 70.

C " 31, 106.

90. Remeasure 1914, $x = 20' \cdot 177$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.			
1—60																				
1	-58·397	-28·976	1·00	47.	342	9·8	61	+ 2·670	+ 7·175	1·00	46.	326	9·2	121	+ 56·306	- 6·882	- 1	°	...	
...	57·481	-57·491	-5	...	...	...	*	+ 2·797	+ 28·881	1·10	46.	325	9·0	...	56·592	- 14·967	- 1	...	...
...	55·135	+55·400	-1	...	...	...	...	+ 2·862	- 5·743	-5	...	...	...	...	57·832	- 23·318	-5	...	...
*	54·523	-1·474	1·10	47.	343	9·1	...	+ 4·322	- 1·039	0·70	...	...	...	...	57·912	- 12·130	0·90	47.	359	9·9
...	54·267	-28·702	0·70	...	...	...	...	+ 6·231	+ 49·340	0·80	...	...	...	...		
...	-49·777	-30·223	-5	...	...	...	...	+ 6·475	- 10·373	0·70	...	...	...	...		
...	47·485	+37·448	-5	...	...	...	...	7·207	+ 58·762	-5	...	...	...	...		
...	47·482	-10·749	0·80	...	...	...	...	8·769	+ 40·125	-5	...	...	...	...		
...	47·426	+49·416	0·70	...	...	...	...	8·914	- 47·329	0·80	...	...	...	...		
...	47·017	+50·142	-3	...	...	...	...	9·216	+ 53·281	0·75	...	...	...	...		
11	-46·069	+46·898	0·75	...	...	...	71	+ 10·181	+ 19·614	0·80	...	...	...	...		
...	45·145	-14·193	-5	...	...	...	...	10·602	+ 22·953	0·70	...	...	...	...		
*	44·831	+49·500	1·20	46.	316	9·4	...	10·916	+ 35·479	-5	m	...	...	...			
...	43·748	-11·771	0·75	...	...	...	...	11·297	+ 56·730	-5	m	...	...	...			
S	43·487	-55·938	1·15	48.	358	9·4	*	11·531	- 42·444	1·00	47.	347	9·6	...						
...	43·460	-53·046	1·00	...	...	...	...	+ 11·676	- 37·886	-3	...	...	...	...		
...	42·711	-7·662	0·90	...	...	...	...	12·467	+ 41·568	-4	...	...	...	...		
S*	40·100	+47·364	1·80	46.	318	8·0	*	15·922	- 44·299	1·60	47.	348	8·2	...						
*	39·289	+58·768	3·20	46.	319	7·0	...	16·610	+ 21·583	-4	...	...	...	...		
*	37·869	-12·426	1·60	47.	344	8·4	...	16·642	+ 33·160	0·80	46.	327	9·8	...						
21	-37·787	-14·262	0·70	...	...	...	81	+ 16·856	+ 27·421	0·90	46.	328	9·8	...						
...	37·517	-35·094	0·80	...	...	...	...	17·185	- 25·664	0·70	...	...	...	...		
...	36·115	-49·818	-1	...	...	...	...	17·693	+ 45·342	0·65	...	...	...	...		
S*	35·439	+27·590	0·70	...	...	...	...	19·229	+ 39·804	0·70	...	...	...	...		
...	34·066	+10·626	1·20	46.	320	8·8	...	19·641	- 22·921	0·70	...	...	...	...		
...	32·894	+31·688	-5	...	...	...	...	+ 19·914	- 16·529	-2	...	...	...	...		
...	30·366	-4·456	-5	...	...	...	...	20·870	+ 47·506	-5	m	...	...	...			
...	29·890	+31·613	0·70	...	...	...	...	21·267	- 50·146	1·00	47.	349	9·6	...						
...	29·426	-7·597	0·70	...	...	...	...	21·728	- 49·785	1·10	47.	350	9·6	...						
...	29·286	+34·745	-4	...	...	...	S*	24·303	- 43·092	3·40	47.	351	6·5	...						
31	-23·151	-31·823	-5	...	...	...	91	+ 24·515	+ 56·146	-5	...	...	...	...		
...	21·466	-60·200	-4	...	...	...	...	25·538	+ 6·019	-3	...	...	...	...		
...	19·229	-57·536	-4	...	...	...	S*	26·062	+ 43·512	1·00	46.	329	9·2	...						
...	18·897	+22·130	-5	...	...	...	...	26·116	- 46·311	0·90	47.	352	9·8	...						
...	18·514	-58·394	0·85	...	...	...	...	26·372	- 5·935	0·70	...	...	...	...		
...	18·280	+ 5·145	-3	...	...	...	...	+ 27·692	+ 5·490	-2	...	...	...	...		
...	18·194	-53·693	-5	...	...	...	...	27·817	+ 5·734	-5	m	...	...	...			
...	18·163	+18·392	0·70	...	...	...	...	28·300	+ 27·205	-5	...	...	...	...		
...	18·117	+32·270	0·75	...	...	...	S*	28·970	+ 2·692	1·50	47.	353	8·3	...						
S*	17·348	-12·279	1·15	47.	345	9·0	...	30·153	+ 29·767	-3	...	...	...	...		
41	-16·682	-27·312	-5	...	...	...	101	+ 30·626	- 11·554	-3	...	...	...	...		
*	12·937	+46·161	1·00	46.	322	9·8	...	30·655	- 18·940	-2	...	...	...	...		
...	9·933	+16·180	-5	M	...	...	...	32·282	- 11·323	-4	...	...	...	...		
...	9·824	-16·560	-5	...	...	...	...	32·872	- 35·407	0·80	...	...	...	...		
S*	9·655	-18·904	1·20	47.	346	8·7	...	35·462	+ 45·425	-4	...	...	...	...		
...	9·592	-33·556	-2	...	...	...	...	+ 35·642	- 35·810	0·80	47.	354	9·8	...						
...	9·554	+43·596	-4	...	...	...	...	35·995	- 42·169	-5	...	...	...	...		
...	8·884	+17·230	-4	B	...	...	...	36·770	+ 3·309	-5	...	...	...	...		
...	8·504	+53·168	0·90	46.	323	9·8	...	37·106	+ 37·808	-4	...	...	...	...		
*	6·433	-58·089	1·20	48.	365	9·2	...	41·806	+ 17·864	-4	...	...	...	...		
51	-5·157	-40·841	-4	...	...	*	III	+ 42·595	- 34·593	1·20	47.	355	9·2	...						
...	3·734	+13·759	-5	M	m	...	...	45·983	+ 15·248	0·85	...	...	...	...		
...	3·146	+ 2·012	-5	M	m	...	...	47·192	- 58·438	-1	...	...	...	...		
S*	2·241	+44·117	-3	...	...	...	...	47·275	+ 20·559	-5	m	...	...	...			
...	2·145	+23·279	1·40	46.	324	8·4	...	48·292	+ 13·329	-2	...	...	...	...		
...	1·969	+26·751	-5	M	m	...	S*	+ 49·386	- 3·899	1·40	47.	356	8·3	...						
...	1·675	-32·810	-5	...	...	...	...	49·600	- 7·419	1·60	47.	357	8·2	...						
...	+ 0·501	+ 0·945	-5	M	m	...	...	53·690	+ 38·069	-4	...	...	...	...		
...	1·790	+18·254	-5	M	m	...	...	54·881	+ 38·836	0·80	...	...	...	...		
...	1·797	+ 5·946	-4	M	...	*	...	55·009	- 19·651	1·20	47.	358	9·0	...						

NM measured from 1, 58.

C " " 28, 100.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
1-60																			
I	—58° 615	—34° 843	1° 15'	47.	355	9° 2'	61	—3° 161	+49° 797	—5	° m	...	121	* +44° 307	+53° 807	1° 50'	46° 344	9° 3'	
*	56° 825	+15° 066	0° 65'	...	...	...	...	2° 943	—48° 135	—5	M m	...	...	45° 167	+18° 591	0° 80'	...	...
...	54° 467	+13° 234	—3	...	...	...	...	1° 611	+45° 572	0° 80'	...	...	...	45° 199	+18° 527	—4	...	...
...	53° 249	—58° 527	—3	...	...	...	S *	1° 504	+35° 913	1° 20'	46. 336	8° 8'	...	47° 520	+43° 657	—5	m	...	
S *	52° 824	—3° 946	1° 50'	47.	356	8° 3'	...	—1° 033	+55° 703	0° 70'	...	...	...	47° 855	+23° 060	—5	m	...	
...	49° 859	+38° 127	—4	...	...	...	...	0° 947	—9° 003	—5	M m	...	...	50° 468	—29° 197	—4	...	...
...	48° 686	+38° 931	0° 75'	...	...	...	...	1° 293	—26° 732	0° 65'	...	...	...	50° 790	+45° 157	0° 85'	...	...
*	46° 700	—19° 518	1° 30'	47.	358	9° 0'	S *	2° 157	+25° 956	2° 00'	46. 337	8° 0'	...	51° 428	—21° 657	—5	m	...	
...	45° 811	—6° 711	0° 70'	...	...	...	...	5° 145	—52° 873	—4	...	...	...	53° 303	—22° 813	—5	...	...
II	71																		
†	—45° 257	—14° 769	0° 70'	...	...	...	...	+ 7° 153	+ 9° 262	—2	...	...	...	+ 54° 197	—46° 231	0° 90'	47.	373	9° 9'
*	44° 026	—11° 900	1° 00'	47.	359	9° 9'	...	8° 061	—15° 186	—1	...	...	...	55° 091	—26° 792	1° 00'	47.	374	9° 7'
...	43° 757	—23° 083	—4	...	...	...	...	8° 095	+ 54° 113	1° 20'	46. 340	9° 2'	S *	55° 764	—29° 580	1° 50'	47.	375	8° 8'
...	43° 144	—25° 502	—5	B	...	...	...	8° 267	—42° 303	0° 65'	...	...	...	56° 972	—19° 650	—5	m	...	
...	42° 961	+29° 322	0° 70'	...	...	...	...	8° 385	—15° 812	0° 80	47. 368	9° 9'	...	58° 233	—1° 103	—5	m	...	
...	—41° 934	+18° 594	—3	...	...	...	...	+ 8° 578	+ 30° 562	—3	...	...	...	131				...	
...	41° 603	—8° 042	—5	...	...	...	*	8° 656	—16° 124	1° 20'	47. 369	9° 4'	...	...				...
...	40° 328	—59° 274	—3	...	...	...	...	9° 101	—35° 538	—5	M	...	...	...				...
...	40° 299	+26° 995	0° 80'	...	...	...	†	9° 743	—18° 890	—4	...	...	...	...				...
...	39° 341	+27° 373	—5	M	...	...	...	10° 463	+ 7° 032	—5	...	...	...	...				...
21	81																		
...	—39° 254	+55° 657	—5	M	...	...	...	+ 11° 932	+ 4° 649	—3	...	...	...	...				...
...	39° 178	+59° 598	1° 10'	46.	331	9° 6'	...	12° 835	—6° 083	—2	...	...	...	...				...
...	38° 608	—55° 096	1° 15'	48.	374	9° 4'	...	12° 982	+ 31° 332	—3	...	...	...	...				...
+	35° 140	—36° 498	1° 00'	47.	360	9° 4'	...	13° 488	—48° 377	0° 70'	...	...	...	...				...
S *	33° 841	—15° 518	0° 95'	47.	362	9° 9'	...	16° 032	+ 16° 095	—3	...	...	...	...				...
...	—33° 803	—51° 946	1° 20'	47.	361	9° 0'	...	+ 17° 408	—28° 445	0° 70'	...	...	...	...				...
...	31° 655	+50° 225	—4	...	...	...	...	17° 421	+ 55° 782	0° 90	...	...	...	...				...
...	31° 519	+24° 595	0° 70'	...	...	...	...	18° 121	—6° 028	0° 90	47. 370	9° 9'	S *	18° 229	—31° 444	1° 00'	47.	371	9° 4'
*	31° 297	—34° 671	1° 05'	47.	363	9° 4'	S *	18° 797	—43° 888	—4	...	...	...	...				...
31	91																		
...	—28° 899	—5° 723	0° 90'	47.	364	9° 9'	...	+ 20° 245	+ 16° 364	—3	...	...	...	...				...
...	27° 699	+32° 356	—5	M	...	...	...	20° 506	+ 15° 323	—5	m	...	...	...				...
...	26° 971	—7° 051	—5	...	...	...	*	21° 350	+ 32° 383	1° 00'	46. 341	9° 7'	...	...				...
...	24° 711	+34° 114	—1	...	...	...	...	23° 402	+ 6° 877	0° 80	...	...	...	...				...
...	23° 232	+48° 917	0° 65'	...	...	...	...	23° 512	+ 42° 304	—5	m	...	...	...				...
...	—22° 228	+49° 798	—5	M	...	...	...	+ 23° 847	+ 21° 575	0° 90	46. 342	9° 8'	...	...				...
...	21° 835	—38° 058	—5	...	...	...	...	24° 812	—8° 833	—3	...	...	...	...				...
...	21° 596	—44° 822	0° 70'	...	...	...	...	27° 883	—9° 181	0° 80	...	...	...	...				...
...	20° 781	+58° 154	—4	...	...	...	...	27° 947	+ 47° 800	—1	...	...	...	...				...
...	19° 957	+20° 444	0° 70'	...	...	...	...	28° 134	+ 37° 458	0° 85	...	...	...	...				...
41	101																		
...	—19° 676	+57° 195	—5	M	...	...	*	+ 28° 515	—21° 394	1° 00'	47. 372	9° 4'	...	...				...
S *	19° 580	—31° 964	1° 70'	47.	365	8° 2'	...	28° 802	+ 41° 093	0° 65	...	...	...	...				...
...	18° 862	+59° 242	—4	...	...	...	...	29° 216	+ 2° 934	0° 70	...	...	...	...				...
...	15° 003	—37° 763	—5	M	...	...	*	29° 947	—43° 585	1° 00	...	...	...	...				...
...	14° 108	+ 0° 240	0° 65'	α	...	...	...	30° 657	—57° 138	—5	...	...	...	...				...
...	—14° 094	—17° 173	0° 90	47.	366	9° 9'	...	+ 31° 036	+ 4° 525	0° 70	...	...	...	...				...
*	13° 725	+41° 592	1° 00	46.	334	9° 7'	...	32° 722	+ 52° 056	0° 85	...	...	...	...				...
...	12° 784	—25° 844	0° 70	...	...	...	...	37° 200	—42° 034	—5	...	...	...	...				...
...	12° 232	—58° 895	—5	M	...	...	...	37° 610	+ 33° 779	—5	m	...	...	...				...
...	12° 084	—28° 276	—4	...	...	...	...	37° 923	—21° 038	—1	...	...	...	...				...
51	III																		
...	—10° 803	+26° 522	—5	...	...	...	...	+ 38° 778	+ 56° 906	—5	...	...	...	...				...
...	10° 494	—17																	

Notes	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
1-60																			
I *	-59.714	+53.562	1.40	46.	344	9.3	61	-12.374	-2.898	-4	0	...	121	+37.852	-58.777	-5	0	...	
...	59.422	+33.640	-5	M	...	...	*	11.326	+11.301	0.95	...	...	...	37.973	+50.965	-4	...	...
...	58.008	-54.811	-1	...	...	...	...	9.816	+44.863	-5	M	...	S *	38.212	+32.071	2.20	46.	364
...	57.913	-9.184	-5	...	...	...	...	8.987	+21.488	-4	...	...	...	38.652	+53.214	-3	...	...
...	57.738	+18.403	0.75	...	...	...	...	8.937	-31.487	-3	...	...	...	38.888	-48.534	-1	...	...
...	-57.708	+18.351	-5	-7.398	+28.658	0.70	+	39.936	-20.203	-3
...	57.426	+52.029	-5	M	...	...	...	7.329	+8.406	0.70	...	...	...	40.838	-14.713	-3	...	...
...	54.052	+31.470	1.05	46.	345	9.6	...	7.267	-56.171	0.90	48.	397	9.7	...	42.055	-27.431	0.65
...	52.964	+45.115	0.85	...	...	...	...	6.247	-28.068	-5	M m	...	S *	43.535	+6.976	1.40	46.	365
...	51.334	-10.014	-5	5.128	-52.892	-4	*	46.391	+15.440	1.00	46.	366
II	61-120																		
...	-50.933	-29.204	-1	71	-4.071	-19.278	1.30	47.	382	8.8	131	+47.878	+23.139	0.70
...	49.169	-55.330	-5	M	...	...	...	2.428	+36.410	-2	...	...	...	49.638	+52.814	-1	...	...
...	48.304	-22.723	-5	...	...	...	...	2.297	-23.566	-2	...	...	...	49.695	+43.021	1.00	46.	367
...	47.091	+45.482	-5	M	1.685	+36.396	1.00	46.	354	9.6	...	51.513	-30.318	0.70
...	46.645	-46.095	0.90	47.	373	9.9	...	-0.103	+37.339	-2	...	...	...	51.578	+3.338	-5	...	...
...	-46.370	-26.642	1.00	47.	374	9.7	...	+0.614	-49.073	-1	+	53.129	+12.362	1.00	46.	368
...	46.286	+55.596	-5	M	...	...	...	1.055	-32.855	-1	...	...	...	53.666	+17.344	0.70	...	...
S *	45.625	-29.421	1.50	47.	375	8.8	...	1.634	-32.025	-5	...	...	...	53.872	+26.091	0.80	46.	369
...	45.613	-29.499	-5	2.348	-24.262	0.95	47.	383	9.9	...	54.283	+50.224	-1
...	43.944	+50.808	1.60	46.	346	9.4	S *	3.586	-55.779	1.60	48.	399	8.5	...	54.775	+29.297	-4
21	121-151																		
...	-42.958	-39.098	-5	M	81	+3.748	-43.209	0.70	+55.347	-39.182	-4
...	42.643	+44.675	1.00	46.	347	9.9	...	4.237	+33.418	0.75	S *	55.625	-11.761	2.80	47.	389
...	42.504	-32.938	-5	4.429	-10.572	0.75	*	55.709	-10.487	1.80	47.	390
...	40.580	+30.224	0.70	...	...	...	...	4.612	+30.845	-4	...	...	...	56.008	+54.323	-2	46.	370
...	36.860	-3.374	-1	A	...	...	...	5.850	+56.449	-5	...	...	...	56.063	-7.938	1.05	47.	391
...	-36.433	-44.087	-5	M	...	...	...	6.523	+53.838	0.75	...	...	...	+57.248	+56.240	-1	...	...
S *	36.334	+41.201	-4	M	...	...	...	7.144	+30.341	-4	...	...	...	57.262	+9.336	-3	...	...
...	35.617	+45.358	2.20	46.	348	8.2	...	7.802	-20.128	-5	m	...	...	57.551	+10.048	-5	...	...
...	35.382	+14.822	1.00	46.	349	9.6	...	9.535	-53.438	-5	m	*	58.281	+41.542	1.20	46.	371
...	35.262	+46.054	0.90	46.	350	9.9	...	12.005	+8.506	-5	...	...	...	58.612	+41.217	-5	...	...
31	151																		
...	-32.386	-37.182	-1	91	+12.189	+10.224	0.70	+59.266	+14.317	-4
...	32.006	+22.793	0.70	...	...	...	S *	12.536	-2.855	1.70	47.	384	8.4	...	...	...	...	...
...	31.831	+9.742	-4	M	...	...	...	14.801	-14.563	0.85	...	...	...	...	...	...	...	...
...	30.743	+41.829	-1	...	...	...	...	16.854	+45.279	-5	...	...	...	...	...	...	...	...
S *	29.750	-46.052	-5	...	...	...	...	17.397	+32.814	0.75	...	...	...	...	...	...	...	...
...	-28.716	-40.398	3.60	47.	376	7.0	*	+17.784	+50.734	1.05	46.	356	9.9	...	...	...	...	...
...	27.909	+13.188	0.75	...	...	...	*	19.147	-47.334	1.30	47.	385	9.3	...	...	...	...	...
...	27.286	-0.587	1.00	47.	377	9.9	...	20.641	-24.620	0.70	...	...	...	...	...	...	...	...
...	27.097	-16.789	0.85	...	...	...	*	21.034	+52.487	1.05	46.	357	9.7	...	...	...	...	...
...	26.933	+53.900	-4	M	...	...	...	22.559	+29.641	-5	...	...	...	...	...	...	...	...
41	101																		
...	-24.468	-49.298	1.50	47.	378	8.8	...	+26.475	+32.777	0.65	...	...	...	...	...	...	...	...
...	23.990	+8.791	-3	...	...	...	...	27.056	-48.372	-5	...	...	...	...	...	...	...	...
...	22.779	+10.824	-5	M	...	...	S *	27.671	+3.250	1.20	47.	386	9.1	...	...	...	...	...
...	22.764	-21.408	0.65	...	...	...	...	28.188	+15.541	0.95	46.	358	9.7	...	...	...	...	...
...	22.406	+34.168	0.70	...	...	...	...	28.701	-47.487	-5	m	...	...	...	...	...	...	...
...	-21.427	-34.045	-5	...	...	...	*	+29.415	+47.178	1.10	46.	359	9.8	...	...	...	...	...
...	19.845	-6.787	-1	...	...	...	...	29.832	+11.183	0.80	46.	360	9.9	...	...	...	...	...
...	19.839	-8.161	-4	...	...	...	...	31.190	-30.223	-5	...	...	...	...	...	...	...	...
...	19.720	-41.970	-4	...	...	...	...	32.538	+24.010	-3	...	...	...	...	...	...	...	...
S *	19.611	-7.159	1.40	47.	379	8.8	...	33.496	+47.291	-3	...	...	...	...	...	...	...	...
51	III																		
...	-19.466	+29.946	1.05	46.	351	9.4	†	+34.478	+25.084	-4	...	...	...	...	...	...	...	...
...	18.163	-54.127	-3	...	...	...	...	34.913	-55.695	-1	48.	407	9.9	...	...	...	...	...
...	16.280	-44.844	1.00	47.	380	9.6	...	35.099	+0.029	-4	...	...	...	...	...	...	...	...
...	15.936	-38.606	1.00	47.	381	9.6	*	35.472	-29.653	1.15	47.	387	9.0	...	...	...	...	...
...	15.699	-5.863	-3	...	...	...	...	35.791	+22.000	-4	...	...	...	...	...	...	...	...
...	-15.674	+0.624	-3	...	...	...	...	+36.136	-26.077	0.95	...	...	...	...	...	...	...	...
S *	14.496	-51.152	-4	...	...	...	†	36.273	+44.993	-3	...	...	...	...	...	...	...	...
S *	14.112	+29.003	1.05	46.	352	9.3	...	36.434	+43.932	1.00	46.	362	9.8	...	...	...	...	...
S *	13.876	+51.283	1.50	46.	353	8.5	S *	36.589	-37.206	3.00	47.	388	6.8	...	...	...	...	...
...	12.497	-10.655	0.70	...	...	...	S *	37.489	+50.555	1.60	46.	363	8.8	...	...	...	...	...

NM measured from 1. 76.

C " .. 35.108.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.		
1-60																			
I	-59°39'5	-27°70'6	-4	o	61	*	-21°79'9	+29°54'8	1°10	46°377	9°6	121	+16°900	+27°478	0°70	o	...
S *	59°00'8	+6°72'3	1°40	46°365	8°8	...	...	21°32'6	-14°26'7	-5	M	...	...	17°440	-44°948	0°90	...	...
...	56°42'2	+15°28'6	0°95	46°366	9°9	...	...	21°18'4	+49°42'9	1°00	46°378	9°9	*	17°640	+29°080	1°10	46°387	9°2
...	56°21'1	-1°38'9	-5	M	...	...	...	19°64'8	+20°38'9	0°85	46°379	9°9	...	17°746	-42°903	-1	...	...
...	55°17'1	+23°03'8	0°80	...	...	...	...	19°52'8	-52°15'0	0°75	...	...	...	18°998	-36°532	-5	...	...
...	-54°36'4	+52°73'5	-1	...	...	*	-19°46'7	-41°53'0	1°05	...	...	...	+19°264	+49°917	-3	...	...
...	54°00'2	+42°94'5	1°00	46°367	9°9	...	...	19°11'3	+9°88'9	-5	...	...	...	19°336	+49°918	-5	...	...
...	52°29'9	+5°80'4	-5	...	...	...	...	18°62'8	-11°69'2	0°80	...	...	...	19°898	+21°612	0°90	46°388	9°9
...	59°85'2	+3°35'9	-4	...	...	...	S ‡	18°40'2	-34°62'4	1°50	47°395	8°3	...	20°690	-42°230	-2	...	...
...	50°09'9	+31°09'3	-5	...	...	...	...	17°31'5	-26°82'6	-4	...	...	...	21°071	-10°817	0°65	...	...
II	-49°83'9	-30°29'1	0°90	...	...	...	71	-16°12'7	+55°78'9	-4	...	...	...	+22°373	-2°694	-2	...	...
...	49°64'5	+50°29'5	0°80	...	...	...	...	15°78'0	-54°77'4	-5	...	...	...	22°514	+46°987	1°00	46°389	10°4
*	49°60'1	+12°41'4	1°00	46°368	9°6	...	...	15°71'8	+43°41'5	1°00	46°380	9°9	*	24°142	-4°770	1°10	47°399	9°8
...	49°29'5	+26°16'9	0°80	46°369	9°9	...	...	13°53'9	-3°51'5	0°70	...	...	*	27°471	+30°051	1°00	46°390	10°4
...	49°21'5	+17°41'7	0°70	...	...	...	...	12°22'5	-7°04'8	0°80	...	...	...	27°601	-35°547	-5	...	...
...	-48°60'5	-6°37'0	-5	M	...	...	...	-12°07'8	-52°53'4	0°65	...	...	...	+27°915	-15°067	-4	...	...
...	48°47'2	+29°40'4	-3	...	...	...	...	12°04'5	-3°97'9	-5	M	...	...	28°462	+4°638	0°65	...	...
...	48°04'5	+54°45'1	0°80	46°370	9°9	...	...	10°99'6	+47°81'9	-4	...	...	...	28°809	-4°805	-4	...	...
...	47°73'7	+37°82'2	-5	...	...	...	...	10°75'5	-28°90'1	-5	M	...	†	29°902	+50°168	-4	...	...
...	46°86'4	+56°40'4	0°95	...	...	...	...	10°69'4	-37°93'6	0°75	...	...	...	30°108	+41°907	-4	...	...
21	-46°30'5	-11°60'2	2°80	47°389	7°2	...	81	-10°17'0	-28°02'3	-5	...	...	...	+30°808	+14°410	0°65	...	...
*	46°27'8	-10°33'4	1°80	47°390	8°2	...	...	10°11'3	-41°66'5	-5	...	...	...	32°213	-43°040	-4	m	...
*	46°01'6	-7°77'4	1°00	47°391	9°7	...	...	10°03'9	+5°70'7	0°65	...	...	S *	32°958	+34°828	2°00	46°391	7°6
...	45°72'3	-39°02'3	-3	...	...	...	...	9°85'7	-55°02'4	-5	M	...	...	33°798	-24°161	0°70	...	...
...	45°36'9	+9°53'7	-2	...	...	...	...	9°71'6	+21°98'2	-5	...	...	...	34°112	+16°840	0°80	...	...
*	-45°36'0	+41°74'5	1°20	46°371	9°4	...	...	8°10'8	-30°82'7	0°70	...	...	...	+34°308	+46°052	-5	...	...
†	45°08'5	+10°26'1	-5	...	...	...	...	7°98'1	+21°80'3	-3	m	...	S *	34°691	+0°875	1°20	47°400	10°0
...	45°00'9	+41°43'9	-5	...	...	...	S *	7°56'2	-46°88'7	1°00	47°396	9°7	...	35°312	-51°446	0°70	...	...
...	43°53'0	+14°56'7	-3	...	...	...	...	6°19'7	+12°39'5	1°05	46°381	9°7	*	37°470	+27°849	1°00	46°392	10°4
*	41°70'5	+25°67'4	1°20	46°372	9°0	...	...	4°23'4	+59°88'9	-1	...	...	...	37°655	-18°681	-4	...	...
31	-41°29'8	+51°13'6	0°70	...	...	...	91	-3°05'7	+6°58'0	-5	m	...	...	+38°119	-44°286	1°10	47°401	10°4
...	39°57'5	+22°73'0	-4	...	...	...	S *	2°56'6	+19°99'3	2°10	46°382	7°6	...	38°158	-26°533	0°80	...	...
...	38°80'5	+20°06'0	-5	...	...	...	...	2°48'1	+24°16'8	1°00	46°383	9°4	...	38°358	+47°166	0°70	...	...
...	38°01'7	+21°65'6	0°70	...	...	...	...	2°48'1	-6°01'2	-4	...	...	...	38°896	-41°440	-5	...	...
...	36°69'8	-26°47'8	0°65	...	...	...	...	0°19'4	-8°20'8	-5	M m	...	...	40°378	+7°896	-5	m	...
S *	-35°94'2	+17°21'7	2°90	46°373	7°3	...	...	0°17'8	-7°68'5	0°85	47°397	9°9	...	+40°605	+22°580	-5	m	...
†	35°82'3	-4°73'7	-3	...	...	...	...	0°40'1	+42°47'7	-4	...	...	...	40°803	+35°561	-4	...	...
...	35°69'6	+43°23'5	-4	...	...	...	...	0°75'2	+6°61'1	0°70	...	...	...	41°590	+13°530	0°75	...	...
...	35°59'4	-15°28'7	-3	...	...	...	...	2°00'5	+5°91'2	-3	m	...	...	41°741	-34°909	-2	...	...
S *	34°58'4	+55°63'4	1°15	46°374	9°6	...	...	2°39'9	-1°62'2	-1	...	...	...	44°850	+24°296	0°65	...	...
41	-34°06'1	+46°05'9	-4	101	+	2°90'8	+35°55'8	0°90	46°384	9°9	...	+45°577	+0°870	-5	e	...
...	33°58'6	-41°68'3	-4	...	...	...	...	3°16'6	+53°29'5	-5	...	...	...	46°146	+0°769	0°65	...	...
...	33°24'8	+41°09'0	-4	...	...	...	...	3°61'9	-39°91'0	-3	...	...	...	46°387	-31°712	-3	...	...
...	33°15'8	-27°76'3	-4	...	...	...	...	3°85'9	+45°79'4	-4	...	...	...	48°720	+30°957	-2	...	...
†	32°06'4	-9°63'7	-5	...	...	...	...	4°91'4	+17°90'7	-4	...	...	...	49°313	+18°106	1°00	...	...
...	-31°36'1	-45°60'8	0°65	...	...	...	...	4°93'5	-0°27'1	-2	...	...	...	+50°049	-10°433	0°80	...	...
*	30°36'7	-27°84'4	1°00	47°392	9°6	...	...	5°86'6	-5°40'4	-3	...	...	...	51°169	+10°233	0°65	...	...
...	29°94'4	-26°27'5	-5	...	...	...	...	5°87'1	+57°69'4	-1	...	...	...	52°027	-14°338	0°70	...	...
...	29°44'3	-22°30'9	-5	...	...	...	...	9°00'8	+26°17'4	-2	...	...	...	52°208	-7°056	0°70	...	...
...	26°43'9	+28°71'1	-4	...	...	...	...	9°41'4	+54°29'4	0°70	...	...	...	52°242	-7°292	0°95	...	...
51	-26°27'2	+49°01'9	-1	111	+	10°40'3	-28°50'6	-4	+53°627	-14°269	-4	m	...
*	25°64'1	+24°63'1	1°10	46°376	9°2	...	...	12°94'4	-12°47'8	-3	...	...	...	53°638	-29°771	-4	...	...
...	25°54'0	+8°69'9	-4	...	...	...	S *	13°12'3	-2°38'9	1°40	47°398	8°8	*	53°944	+33°283	1°20	46°393	10°0
...	25°09'2	-28°36'6	-5	...	...	...	...	13°17'2	+48°18'7	-4	...	...	...	55°133	-56°038	-5	...	...
*	24°66'0	-57°40'8	1°20	48°416	9°6	*	...	14°26'6	+33°97'8	1°40	46°386	8°8	...	55°243	+6°417	-5	m	...	
...	-24°52'1	+38°01'5	-5	...	...	...	...	+14°48'3	-47°75'5	-3	...	...	...	+55°505	+37°188	0°90	46°394	10°4
S *	24°14'0	-48°10'2	1°40	47°393	9°0	...	...	14°53'8	+42°40'7	0°90	...	...	...	55°610	+14°551	0°70	...	...
...	23°06'6	-33°39'7	-5	M	...	...	...	14°62'9	+5°41'5	0°70	...	...	S *	56°493	-47°064	1°50	47°402	9°2
...	22°87'4	-11°51'0	0°65	...	...	†	...	15°04'9	-25°75'8	-4	...	...	...	58°168	-38°556	-5	m	...
...	22°50'4	-52°51'3	1°00	47°394	9°9	...	...	15°71'6	+58°17'0	-5	...	...	...	58°219	+15°382	-4	...	...

C measured from r, 97.
NM " " 49, 140.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	...	No.	Mag.		x.	y.	...	No.	Mag.
181-183																	
181	+58°659	+31°107	-5	°	...	...									
...	59°475	-35°206	-4	...	...	...								
...	59°406	-25°673	-4	...	...	...								
...	59°248	+1°036	-5	M	...	...									
...	58°266	+24°075	-1	...	...	...								
...	-57°852	-20°306	-5	M	...	...									
...	57°266	+43°390	-5	...	...	...								
...	56°783	+0°701	-5	E	...	...									
...	56°200	+0°613	0°70	...	...	...								
...	54°594	+30°867	0°65	...	...	...								

1-40					41-80					81-120								
I	-59°830	-13°249	-5	°M	...	41	-33°585	-56°451	1°70	48°438	8°7	81	-7°650	+26°794	-3	m	...	
...	59°475	-35°206	-4	...	...	...	32°981	-31°234	-5	M	...	...	7°442	-38°938	0°70	...	...
...	59°406	-25°673	-4	...	...	...	32°642	+11°264	0°80	...	...	...	5°423	+8°606	1°00	46°400	10°2
...	59°248	+1°036	-5	M	...	...	32°383	+5°609	-5	M	...	...	4°965	-40°209	0°90	...	...
...	58°266	+24°075	-1	...	...	...	31°774	-31°616	-5	...	...	...	4°116	+43°302	-4	m	...
...	-57°852	-20°306	-5	M	...	...	-30°723	-49°282	-5	M	...	...	3°651	-1°857	-3	...	...
...	57°266	+43°390	-5	...	...	...	30°221	-43°621	0°80	...	...	...	3°169	+54°702	-3	...	...
...	56°783	+0°701	-5	E	...	...	29°584	+3°658	-5	M	...	...	2°944	-51°340	-4	...	...
...	56°200	+0°613	0°70	...	...	...	29°402	+4°066	-3	...	...	...	1°320	+53°092	1°00	46°401	10°4
...	54°594	+30°867	0°65	...	...	...	29°282	+52°425	-4	...	...	...	0°802	-11°676	0°85	...	...
II	-53°593	+18°034	1°00	...	...	51	-29°250	+13°338	-4	...	...	91	-0°288	-32°537	-5	...	...
...	51°950	-10°466	0°80	...	...	...	28°522	-4°050	-5	...	...	...	0°023	-32°033	-1	...	...
...	51°488	+10°215	-1	...	...	...	27°928	+18°799	-3	...	...	...	+1°557	+35°801	-5	m	...
...	51°187	-28°619	-5	M	...	S *	27°887	-29°712	1°30	47°404	9°4	...	1°729	+36°649	0°85	...	...
...	49°893	-7°028	0°70	...	...	...	27°854	-3°800	-5	...	...	...	1°984	+43°097	0°70	...	...
...	-49°853	-7°265	0°90	...	...	...	-27°661	+17°263	0°75	...	...	+	2°831	-35°223	0°65	...	...
...	49°841	-14°304	-2	...	...	...	27°132	+26°716	-4	...	...	...	3°087	+27°766	0°70	...	...
*	49°459	+33°339	1°30	46°393	10°0	...	26°565	+49°555	-3	...	...	...	4°104	-16°797	-5	M m	...
*	48°007	+37°313	1°05	46°394	10°4	*	25°705	+36°033	1°20	46°397	9°8	...	4°280	+27°950	0°80	...	...
...	47°737	-29°682	-3	...	...	...	24°138	-10°506	-1	...	...	SN†	4°824	+52°256	2°70	46°402	6°8
21	-47°188	+14°692	0°65	61	S *	-24°079	-4°358	1°40	47°405	9°2	101	6°079	+53°140	-5	m	...
...	45°402	-55°860	-1	...	...	...	23°862	+6°386	0°65	...	...	...	7°274	-0°913	0°85	...	...
...	44°819	+55°897	0°80	...	...	...	23°568	-54°928	-1	...	...	...	7°367	+12°433	-5	M m	...
...	44°680	+31°316	-4	...	...	...	21°909	+54°174	-4	...	...	S *	7°661	-39°457	1°70	47°410	8°1
...	44°599	+15°599	-3	...	...	...	20°754	-14°545	-3	...	...	...	8°180	+22°104	-5	M m	...
S *	-44°346	-46°866	1°50	47°402	9°2	+	-18°045	+5°115	1°20	46°398	9°6	...	+8°740	-20°564	-5	...	...
...	43°190	+0°399	0°65	...	...	...	15°714	+29°604	-3	...	...	...	8°892	+28°486	0°70	...	...
...	42°421	-54°428	-5	...	...	*	15°342	-42°483	1°50	47°406	8°4	*	8°938	-58°878	1°30	48°449	9°2
...	41°003	-21°549	0°80	...	...	...	14°895	-19°111	0°90	47°407	10°3	...	9°649	-0°599	-5	m	...
...	40°423	-37°155	-5	...	...	...	14°499	+15°318	-4	...	...	...	9°726	+9°655	0°70	...	...
31	-39°906	+28°180	-5	71	-14°388	-45°475	0°80	III	S *	+9°752	+34°229	1°05	46°403	10°3
...	39°349	-59°189	-5	...	...	...	12°967	-19°009	1°00	47°408	10°4	...	11°917	-36°889	1°00	47°411	10°3
...	38°197	+36°052	0°65	...	...	...	12°719	+22°950	-4	...	...	...	13°212	-7°175	0°75	...	...
...	38°166	+32°120	0°85	...	...	...	12°376	+46°687	0°90	...	...	...	13°269	-51°770	-4	...	...
...	38°068	-52°223	-4	...	...	...	10°274	+54°617	-4	...	...	...	14°584	-28°929	-5	...	...
...	-37°283	-25°219	-5	M	...	...	-9°987	-51°899	0°65	...	...	...	+15°592	+51°740	0°90	...	...
*	37°268	-39°227	1°50	47°403	9°4	S *	9°969	+26°031	2°00	46°399	7°8	*	15°748	-41°543	1°70	47°412	8°5	
S *	36°526	+49°326	1°70	46°395	8°4	*	9°343	-28°832	1°00	47°409	9°8	...	16°328	-17°269	0°70	...	...
...	33°862	+8°494	0°65	...	...	...	9°270	-33°448	0°65	...	...	...	20°580	+16°995	0°65	...	...
...	33°714	+12°032	-3	...	...	...	8°507	+26°944	-3	...	...	...	22°148	-7°705	0°70	...	...

NM measured from 1, 92.
 C " " 48, 131.
 100. Remeasure 1918. x = 4°.810.

- 47°

No. 25

CAPE ASTROGRAPHIC ZONE.

1902-94

4^b 5^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
121-140																			
121	+22°553	+47°344	-5	°	m	...	141	,	-43°086	0°90	47. 416	10°4	161	+49°204	+7°183	-4	° e	...	
...	23°187	-14°704	0°70	...	...	...	*	37°894	-20°762	2°40	47. 417	7°4	...	49°680	-44°644	-5	...	...
...	24°248	+51°370	0°85	...	...	...	...	38°003	-31°771	0°95	47. 418	10°4	...	51°213	-12°471	-5	...	...
†	24°768	+50°469	0°95	46.	404	10°4	...	38°267	-9°474	-4	...	...	...	52°445	+31°223	-5	...	...
†	24°803	+35°933	0°70	...	...	...	...	38°956	-50°224	-3	...	...	...	54°284	+33°215	1°00	46. 406	10°2
...	+26°974	-58°771	0°65	...	...	...	+	39°004	-49°872	-3	...	...	...	+54°996	+19°670	-4	e	...
...	27°065	-29°299	-4	...	...	...	†	39°714	+43°363	-5	m	...	...	55°039	-27°746	-3	...	...
...	27°213	-56°846	1°00	48.	456	9°8	...	40°252	+40°223	-4	m	...	...	55°519	-10°426	-4	...	...
...	27°564	+41°302	0°75	...	...	...	*	40°718	-34°866	1°40	47. 419	8°4	...	56°146	+0°941	-5	e	...
...	28°130	-17°678	-1	...	...	...	...	41°911	+7°867	0°70	...	...	...	56°608	-35°111	-3	...	...
131	+29°961	-46°575	-4	151	+42°343	+10°482	-2	*	+56°681	-35°483	1°05	47. 421	10°0
S *	31°126	-11°947	2°40	47.	413	7°4	...	45°238	-22°922	0°85	...	...	...	58°644	-17°281	0°80	...	...
...	31°853	+10°179	-4	m	...	...	...	46°335	-9°021	-3	...	...	...	59°148	+55°013	1°60	46. 407	8°6
...	32°138	-44°425	-5	46°598	-33°599	-5	S *	59°258	+33°149	1°20	46. 408	9°4
*	33°009	-6°186	1°00	47.	414	10°2	...	46°704	+12°739	-3						
...	+33°134	-46°973	-5	+47°214	+29°300	0°90						
...	33°391	-24°060	-4	47°754	+38°213	-4	m						
*	33°869	-31°375	1°20	47.	415	9°8	S *	48°131	-49°615	1°70	47. 420	8°4	...						
...	36°047	+18°827	-3	48°264	+52°975	-1						
...	36°660	+45°761	0°90	48°750	-2°968	-4						

- 47°

No. 26

D,-1

1902-94

4^b 15^m

1-30						31-60						61-90							
I	-57°229	-10°096	-4	°	...	...	31	-39°374	+28°866	-5	° M	...	61	-17°871	-23°043	-5	° M	...
...	56°347	-23°094	0°65	...	...	...	...	38°768	-19°855	-4	...	...	...	17°829	-44°640	-2	...	...
...	56°034	+29°164	0°90	...	...	...	...	38°652	-27°025	0°70	...	...	...	17°253	-44°749	-5	...	...
...	56°018	+12°594	-3	...	...	...	...	38°290	+17°686	0°75	...	...	...	16°714	-54°383	1°00	47. 424	10°4
...	55°734	+52°852	-1	...	...	...	...	35°793	-13°091	-3	...	...	...	16°174	-44°576	0°70	...	...
...	-55°692	-9°174	-4	...	...	...	...	-35°361	-13°049	-1	...	...	...	-16°172	+50°961	-5	M	...
...	53°478	-3°053	-3	...	...	...	...	34°706	+0°794	-4	...	...	...	14°628	+46°067	-5	M	...
...	53°343	+7°109	-4	E	...	...	...	33°412	-16°793	-2	...	...	...	14°534	+23°027	0°70	...	...
S †	52°614	-49°698	1°70	47.	420	8°4	*	33°409	+53°193	1°20	46. 410	9°8	...	14°174	+11°341	-5	M	...	
†	51°234	-44°679	-4	...	...	...	...	32°962	-25°379	-5	...	...	...	13°632	+8°939	0°85	...	...
II	-50°888	+31°244	-5	M	41	-30°855	+24°079	-2	71	S *	-13°499	-20°559	1°50	47. 425	8°6
...	50°728	-12°464	-4	...	...	...	*	30°248	-19°470	1°00	47. 422	10°2	...	12°771	+7°527	-5	M	...
*	49°090	+33°291	1°00	46.	406	10°2	...	29°781	-57°639	-5	...	...	...	11°589	-3°014	-5	...	...
...	47°945	+19°780	-3	E	...	...	...	29°761	+1°433	-5	M	...	...	11°301	-41°953	0°70	...	...
...	46°470	-10°279	-3	...	...	...	...	29°683	+2°634	0°65	...	...	...	10°787	-47°116	-5	M	...
...	-46°406	-27°668	-1	...	...	...	...	29°025	-34°575	-5	...	...	...	-10°282	-55°928	-5	...	...
...	46°218	+1°090	-4	E	...	...	...	27°047	+21°577	-5	M	...	*	9°837	+21°955	1°10	46. 413	9°8
†	44°925	+55°224	1°40	46.	407	8°6	...	26°880	-30°657	-5	M	...	...	9°658	+52°622	0°70	...	...
...	44°611	-34°924	-1	...	...	...	...	26°872	+30°449	-3	M	...	...	9°568	+31°765	-4	M	...
*	44°521	-35°293	1°05	47.	421	10°0	...	25°002	+35°022	-1	A	...	...	8°984	+46°866	-5	M	...
21	S *	-44°118	+33°384	1°20	46.	408	9°4	51	-24°967	+31°894	0°95	46. 411	10°4	...	8°898	-19°459	0°70
...	43°138	-17°044	0°85	...	...	...	S *	24°235	+47°057	1°50	46. 412	8°6	...	8°871	-48°611	0°90	...	...
...	42°377	-55°580	-5	...	...	...	...	24°037	-44°472	0°70	...	...	...	8°859	+16°014	-5	M	...
...	41°291	-25°826	0°95	...	...	...	...	22°930	+42°790	-5	M	...	...	8°096	+39°215	-5	M m	...
...	41°127	+14°435	0°70	...	...	...	S *	22°172	-37°511	1°30	47. 423	9°2	...	7°678	+1°003	-5	M m	...
*	-41°021	-11°142	1°00	...	...	...	...	-21°059	-9°004	-5	...	...	...	-7°064	+48°895	-5	M m	...
*	40°456	+36°872	2°60	46.	409	7°0	†	20°958	+30°100	0°70	...	...	...	6°788	+49°665	0°95	...	...
...	40°265	+55°919	-5	M	...	*	19°202	-29°977	0°85	...	...	...	6°728	-47°077	0°70	...	...
...	39°727	+45°876	-5	M	...	...	19°166	+6°718	-4	M	...	...	5°207	+5°149	0°80	...	...
...	39°547	-29°212	-1	...	...	†	18°061	+0°161	0°70	α	...	...	4°713	+43°950	1°10	46. 414	10°3	

C measured from I, 99.
NM " " 43, 135.

4^a 15^m

28

- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-1.	No.	Mag.		x.	y.	-1.	No.	Mag.		x.	y.	-1.	No.	Mag.	
91-130																		
91	-4·278	-33·788	-5	o	...	131	+26·283	-18·409	-5	o	...	171	+45·927	-9·254	-5	o	m	
...	3·883	+2·800	-5	M m	...	...	27·107	+47·048	0·80	...	...	...	46·615	+35·937	-5	e	...
...	3·786	-34·964	0·65	...	...	S*	29·116	-29·452	1·50	47.	428	8·6	47·779	+23·455	1·15	46.	420
...	3·425	+16·915	-4	M m	...	...	29·394	+38·803	-4	m	...	...	47·848	+32·357	-5	m	...
...	3·181	+20·592	-5	M m	...	...	30·575	+40·026	0·70	...	...	*	48·169	-50·797	1·10	47.	432
...	-2·728	-27·890	0·80	...	...	...	+30·794	+20·544	-5	m	...	...	+48·290	-28·900	0·80	...	...
...	2·367	+18·657	-5	M m	...	...	33·942	-26·862	-5	m	...	...	49·319	-51·348	0·80	...	...
...	-2·280	-51·889	-1	...	...	...	34·441	+23·747	-5	m	...	*	50·950	+16·166	1·00	46.	421
...	+2·466	-12·758	-4	...	...	S†	34·936	-5·051	1·20	47.	429	9·2	51·075	-4·110	-5	...	...
*	2·979	-45·603	1·00	...	...	*	36·528	+21·833	1·00	46.	418	10·4	51·223	+37·131	-2	e	...
131-170																		
101	+3·560	-52·190	-4	...	...	141	+36·675	-6·999	-1	...	...	...	+52·201	+21·986	-5	e	...
...	4·055	-6·060	-5	...	...	...	36·830	-31·405	0·80	...	...	†	52·446	+10·177	0·90	...	...
...	5·940	+40·780	-4	M m	...	...	36·943	+52·857	-5	m	...	*	52·682	-33·865	1·00	...	...
...	6·587	-38·920	-4	...	...	...	37·007	-14·422	-4	...	...	...	52·801	+10·707	-5	m	...
S*	7·414	+6·566	1·30	46.	415	9·4	39·603	+32·558	0·65	a	...	...	53·831	-42·968	-5	...	...
...	+8·823	-40·492	0·65	...	...	*	+40·170	-36·385	1·15	47.	430	10·4	+54·086	+18·468	-5	e	...
*	9·049	+31·373	1·00	46.	416	10·4	*	40·594	+50·522	1·10	46.	419	10·4	55·509	+21·387	0·75
...	9·191	+54·973	-5	m	...	...	40·782	+15·443	-3	m	...	*	55·525	+38·190	1·20	46.	422
...	9·656	-28·014	-4	...	...	...	41·074	-2·817	0·70	...	...	...	55·772	+35·620	-5	m	...
†	10·375	+45·041	-4	m	...	...	41·288	+26·255	-5	m	...	...	56·392	+6·268	-5	e	...
171-194																		
...	+10·501	+19·798	-3	...	...	151	+41·359	+42·043	-5	m	...	...	+58·561	+46·199	0·80	...	...
...	11·074	-48·157	-5	...	...	...	41·511	-5·132	0·80	...	...	...	58·705	+31·986	-5	e	...
S*	12·145	-48·536	2·00	47.	426	7·5	41·676	-1·951	0·80	...	...	...	58·714	-26·739	-5	m	...
...	13·158	+29·025	-5	m	...	...	41·715	-11·649	0·65	...	...	*	58·992	-7·210	1·40	47.	433
...	13·527	-43·022	0·80	...	...	...	41·861	-27·257	0·95	47.	431	10·4	9·8				
...	+14·197	+49·231	0·90	...	...	161	+42·063	-33·727	-5	...	...	...			
*	14·707	-23·295	1·00	47.	427	10·4	42·653	+29·967	0·65	a	...	...				
...	15·339	+34·400	0·75	...	...	...	42·981	-27·722	0·70	...	...	...			
...	15·566	+42·986	0·70	...	...	...	43·249	-21·544	0·70	...	...	...			
...	17·356	+10·054	-4	m	...	...	43·344	-18·964	-5	...	...	...			
121	+17·812	+23·508	-3	...	...	...	+43·424	-17·029	-4	...	...	...			
...	17·978	+50·293	-4	m	...	...	43·553	+0·011	0·70	...	...	...			
...	18·158	+17·293	0·95	46.	417	10·3	43·720	-7·515	-5	...	...	...			
...	18·395	-38·238	-3	...	...	...	43·772	+45·309	-5	m	...	...				
...	19·144	+9·723	0·65	...	...	...	43·872	+0·517	-5	e	...	...				
...	+20·247	-44·140	0·80	...	...	...	+43·920	+30·423	-5	m	...	...				
...	24·327	+47·908	-4	m	...	...	44·315	-9·189	-5	...	...	...			
...	25·221	+35·689	0·90	...	...	...	44·971	+22·431	-5	e	...	...				
...	25·463	+39·828	0·75	...	...	...	45·060	+41·445	0·90	...	...	...			
...	26·192	+47·317	-3	m	...	*	45·436	+50·244	1·10	...	...	...			

1	1-10					11-20					21-30						
	x.	y.	Diam.	C.P.D.	Notes.	x.	y.	Diam.	C.P.D.	Notes.	x.	y.	Diam.	C.P.D.	Notes.		
*	-59·595	-27·542	1·05	47.	431	10·4	...	-58·387	-19·205	-1	...	...	-54·712	+32·386	-5	M
...	59·268	-7·156	-5	...	...	...	58·355	-17·247	-4	...	...	...	54·380	+10·980	-5	M
...	59·179	-34·009	-5	...	...	...	58·350	-7·762	-4	...	...	...	54·316	+31·769	-5	M
...	58·922	-8·935	-5	...	...	...	58·165	-39·241	-5	...	...	...	54·063	+40·900	-5	M
...	58·777	-0·220	0·80	F	...	...	58·067	+22·217	-1	E	...	...	53·931	-27·548	-5	...
*	-58·577	+41·233	1·10	...	...	...	-57·718	-9·407	-4	...	...	...	-53·314	-20·142	-5	...
+	58·483	+50·026	1·15	...	...	...	56·850	+35·777	-5	E	...	...	53·259	-25·517	-5	...
...	58·478	+0·281	-3	E	...	...	56·821	-38·249	-5	...	...	...	53·112	-28·970	0·75	...
...	58·461	-27·969	0·80	...	...	...	55·530	+7·524	-5	M	...	*	52·513	-50·877	1·40	47.
...	58·400	-21·781	0·85	S*	55·294	+23·336	1·30	46.	420	9·8	*	52·305	+37·105	0·95	E

NM measured from 1, 201.
C " " 101, 323.
Diameters under 1·0 over-estimated by NM.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65.	No.	Mag.		x.	y.	o·65.	No.	Mag.		x.	y.	o·65.	No.	Mag.
31-90																	
31	-52·204	-24·970	-4	o	...	91	-33·122	+17·966	0·75	o	...	151	-15·383	+44·523	-5	o M	...
*	51·900	+16·140	1·10	46. 421	10·4	...	32·785	-47·813	0·70	...	...	...	15·351	-33·742	-5	...	...
*	51·355	-51·386	1·15	...	...	...	32·425	+12·277	-3	M	...	...	15·321	+39·283	-4	M	...
...	51·248	+52·929	-5	M	...	...	31·933	-16·947	0·85	...	...	...	15·242	-8·156	-4	...	...
...	51·130	-4·108	-3	...	...	...	31·594	+51·668	-5	M	...	...	15·204	+41·181	-3	M	...
...	-50·836	+22·003	0·70	E	...	...	-30·737	-11·768	-5	...	...	...	-15·088	+25·222	-5	M	...
...	50·331	+1·746	-4	M	...	...	30·676	-31·136	-1	...	...	...	14·598	+12·058	-4	M	...
*	50·205	+10·221	0·95	...	...	...	30·480	+35·505	-5	M	...	...	14·020	+53·005	-4	M	...
...	50·195	+8·254	-5	M	...	...	30·040	-41·864	-5	...	...	...	12·998	-44·008	1·05	47. 440	10·2
...	50·183	-21·939	-5	M	...	...	29·969	-30·154	0·70	...	...	...	12·793	-53·619	-5	...	...
41	-49·773	+50·607	-5	M	...	101	-29·807	-34·516	0·85	...	...	161	-12·557	-41·265	-5	M	...
...	49·098	+56·553	-5	M	...	...	29·251	-33·720	0·70	...	...	...	12·347	-9·409	0·70	...	...
...	48·853	+18·552	0·70	E	...	...	28·771	+39·754	-5	M	...	...	* 12·145	-21·415	0·85	...	...
*	48·571	-33·806	1·05	...	...	...	28·706	+16·739	-3	M	...	...	11·600	+32·335	-5	M	...
*	48·020	+38·303	1·40	46. 422	10·4	...	28·616	-36·189	-4	...	...	...	11·277	+8·687	-4	M	...
*	-47·517	+21·509	0·90	...	...	...	-28·122	-30·362	0·70	...	...	S *	-11·125	+36·288	1·40	46. 428	8·8
...	47·391	+38·939	-5	M	...	...	27·971	+42·097	-3	M	...	...	11·091	-25·821	-5	...	...
...	47·119	-42·864	-1	...	...	...	27·504	+17·775	-5	M	...	...	10·650	-10·757	-3	...	...
...	46·162	+6·429	0·70	E	...	...	27·498	-23·574	-4	...	...	...	10·303	+46·300	-5	M	...
...	45·842	+13·081	-5	M	...	...	27·413	+41·674	-3	M	...	...	10·287	-50·845	-5	...	...
51	-45·820	-57·662	-4	...	...	III	-26·833	+1·897	-4	M	...	171	-10·145	+52·429	-5	M	...
*	45·255	+46·402	1·05	...	...	...	26·415	+2·431	-4	M	...	...	9·338	+2·274	-5	M	...
...	44·656	+32·213	0·75	E	...	...	26·363	+7·635	1·00	...	...	...	8·920	+43·952	-5	M	...
...	43·959	+47·269	-5	M	...	...	25·913	+23·774	-3	M	...	...	8·715	+36·367	-4	M	...
...	43·687	+25·256	-4	M	...	...	25·468	+33·193	1·00	46. 425	10·4	S †	8·572	-9·799	3·60	47. 441	6·5
*	-43·114	-6·948	1·60	47. 433	9·8	...	-25·362	-33·809	-5	...	...	...	-8·356	+21·582	-5	M m	...
...	42·418	+15·240	-5	M	...	...	25·260	+46·614	0·90	...	...	...	8·152	-48·431	-3	...	...
...	41·867	-15·118	0·90	...	...	...	24·223	-31·008	0·90	...	...	...	8·111	+3·188	0·75	...	...
...	41·731	+51·626	-5	M	...	...	23·867	-35·836	0·75	...	...	...	7·963	-0·837	-4	...	...
...	40·594	-43·813	-5	...	...	...	23·737	+40·022	0·85	...	...	...	6·821	+25·447	-5	M m	...
61	*	-40·314	+45·593	0·90	...	121	-23·563	-4·268	-2	...	...	181	-5·824	-13·436	-1	...	...
...	39·800	+28·753	-5	M	...	...	23·509	+35·850	1·10	46. 426	10·4	...	5·595	+11·035	-3	M	...
...	39·713	+49·383	-4	M	...	...	23·369	+44·879	-3	M	...	...	5·032	-32·969	-3	...	...
...	39·480	+16·305	-2	M	...	...	22·851	-23·598	1·20	47. 438	9·4	...	4·796	+44·369	-5	M	...
*	39·297	-23·433	2·00	47. 434	8·6	...	22·846	+54·183	-5	M	...	S *	4·433	+11·321	1·50	46. 429	9·0
*	-39·109	+46·824	1·50	46. 423	9·6	...	-22·647	+10·346	-3	M	...	...	-4·029	-51·249	1·00	...	...
...	38·780	+42·692	-5	M	...	...	22·456	-55·901	-1	...	...	...	3·847	+14·047	0·65	...	...
*	38·733	-28·486	0·70	...	...	...	22·326	-47·299	0·95	...	...	...	3·591	-30·750	1·00	47. 442	10·4
S *	38·014	-24·208	1·20	47. 435	9·6	...	22·097	-16·976	1·00	...	...	...	2·953	+47·613	1·00	46. 430	9·8
S *	37·883	+7·352	3·00	46. 424	7·2	...	21·561	-24·081	0·75	...	...	...	2·166	+24·844	-3	M	...
71	-37·755	+12·044	-5	M	...	I31	-21·531	-43·827	1·15	47. 439	9·8	191	-2·127	-33·867	0·65	...	...
...	37·753	+43·957	-3	M	...	S *	21·279	+58·162	1·00	46. 427	10·4	...	2·045	-19·748	-3	...	...
...	37·703	+36·346	-5	M	...	...	20·956	+4·181	0·95	...	...	...	1·929	+1·376	-4	M	...
...	37·639	-7·453	-5	...	...	...	20·876	+9·186	0·70	...	...	...	1·796	+2·233	-4	M	...
*	36·974	+0·021	1·60	47. 436	9·2	...	20·663	-20·529	-3	...	...	...	1·615	+26·613	-5	M	...
...	-36·894	-28·187	-5	...	...	...	-20·200	+29·037	-3	M	...	...	-1·592	-17·697	-4	...	...
...	36·709	-19·003	-2	...	...	...	20·023	+37·169	-5	M	...	...	1·239	-30·472	-4	...	...
...	36·577	+52·872	-4	M	...	...	19·138	+19·277	0·65	...	...	...	1·138	+1·440	-5	M	...
...	36·465	+52·659	-5	M	...	...	18·845	-44·876	-1	...	...	...	0·252	-4·293	-4	...	...
S *	35·905	-41·086	1·50	47. 437	9·2	...	18·737	-37·293	0·85	...	...	...	-0·045	-14·761	0·95	47. 443	9·7
81	-35·567	+3·907	-2	B	...	I41	-18·154	+21·552	-3	M	...	...	+ 0·076	+53·516	0·70	M	...
...	34·747	+2·092	0·70	...	...	...	17·842	+37·773	-4	M	...	...	0·091	+49·257	-5	M	...
...	34·608	-14·395	0·70	...	...	...	17·813	+11·486	-5	M	...	...	0·222	-25·241	-1	...	...
...	34·301	-4·481	-1	...	...	...	17·802	+25·767	-2	M	...	...	0·246	+25·480	0·70	M	...
...	34·222	+25·130	-2	M	...	...	16·943	-8·895	-5	...	...	...	0·335	-53·136	0·95	...	...
...	-34·219	-45·828	0·65	...	...	...	-16·864	+28·768	-4	M	...	...	+ 0·342	+36·249	0·70	...	...
...	34·162	+51·958	-5	M	...	...	16·439	-28·967	-5	...	...	...	0·692	+32·180	0·70	...	...
...	33·691	+25·753	-5	M	...	...	16·307	+46·069	-5	M	...	...	0·878	-53·405	-4	...	...
...	33·342	-1·514	0·70	...	...	...	15·811	+5·047	-4	M	...	...	1·221	-46·869	-5	M m	...
...	33·193	+29·792	-5	M	...	...	15·667	-1·300	-4	...	...	...	1·365	-45·118	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65.	No.	Mag.		x.	y.	o·65.	No.	Mag.		x.	y.	o·65.	No.	Mag.	
211-270																		
211	+ 1·808	+ 40·600	0·90	o	...	271	+ 18·157	- 0·801	0·70	o	...	331	+ 33·425	+ 1·999	1·00	47· 450	9·7	
*	- 1·873	- 12·053	- 5	...	...	*	18·713	- 35·597	1·00	...	...	...	33·940	+ 57·492	- 3	...	...	...
...	2·544	+ 59·057	- 5	M	...	*	18·868	+ 31·073	0·90	...	...	...	35·017	- 44·054	- 4	...	...	...
...	3·109	- 22·399	0·70	...	...	*	18·990	- 42·093	0·95	...	...	...	35·047	+ 55·768	- 5	...	...	...
...	3·157	+ 48·073	- 5	M m	...	...	19·056	- 44·648	- 4	...	...	...	35·393	- 13·043	1·00	47· 451	9·8	...
*	+ 3·252	- 1·340	1·05	47· 444	9·8	...	+ 19·222	+ 54·316	- 4	...	...	...	+ 36·172	- 57·416	- 4	...	...	...
...	3·512	- 43·135	- 5	...	...	...	19·337	+ 59·781	- 5	...	...	...	36·789	- 43·300	- 5	...	...	...
...	3·751	- 22·234	0·65	...	...	...	19·601	- 22·454	- 5	...	...	...	39·331	- 30·149	- 5	...	...	...
...	3·792	- 8·257	- 5	...	...	...	19·663	+ 52·956	- 5	m	...	...	39·917	- 9·181	- 3	...	...	...
...	3·906	+ 33·258	- 5	M	...	*	20·121	+ 21·868	1·00	46· 435	9·8	...	40·050	+ 59·757	- 5	...	...	...
221	+ 3·925	+ 15·671	- 5	M	...	281	+ 20·129	+ 15·970	0·70	...	...	...	+ 40·072	- 38·966	0·85	...	...	...
...	4·366	+ 34·476	0·70	...	...	...	20·615	- 24·715	0·70	...	...	...	40·381	+ 22·627	0·90	...	...	...
...	4·652	+ 3·252	- 5	M m	...	...	21·370	+ 13·522	- 2	...	...	...	40·436	+ 20·959	- 3	...	...	...
†	5·015	- 20·943	- 4	...	...	...	21·410	- 1·010	- 5	...	...	...	40·834	+ 36·080	- 3	...	...	...
*	5·482	- 19·194	1·00	...	...	...	21·524	+ 35·476	0·80	...	...	...	41·041	- 45·930	- 4	...	...	...
+	5·999	+ 48·853	- 5	M	...	...	+ 21·664	- 54·949	- 1	...	...	...	+ 41·134	+ 48·168	- 5	m	...	...
...	6·185	- 12·922	- 5	M m	...	...	21·668	+ 51·058	- 5	m	...	...	41·348	+ 20·851	0·65	...	...	...
...	6·221	+ 31·771	- 5	M	...	...	21·669	+ 6·522	- 5	m	...	...	41·536	- 24·905	- 5	...	...	...
...	6·254	- 21·197	- 5	...	*	...	21·750	- 42·081	0·95	...	...	...	41·692	+ 10·781	1·00	...	...	...
†	6·700	+ 5·071	- 4	M	...	*	21·798	+ 14·725	1·10	46· 436	9·8	...	41·754	+ 13·538	- 5	...	...	...
231	+ 6·747	+ 50·373	- 5	...	...	291	+ 22·123	- 27·323	0·70	...	...	...	+ 42·561	+ 26·830	- 3	...	...	...
...	7·584	+ 6·303	- 4	M m	...	...	22·268	+ 0·587	- 5	...	...	...	43·329	- 38·062	- 4	...	...	...
...	7·621	+ 25·317	- 5	M m	...	*	22·343	+ 8·239	1·00	...	...	...	43·341	+ 34·601	- 5	...	...	...
...	7·641	- 24·564	- 5	...	...	...	23·081	+ 31·502	0·70	...	...	...	43·531	+ 9·290	- 5	m	...	...
...	7·707	- 49·122	0·90	...	...	...	23·359	- 40·700	- 1	...	...	...	43·691	- 37·652	- 4	...	...	...
+	7·794	+ 50·909	- 1	...	...	...	+ 23·620	+ 34·696	- 5	...	...	*	+ 43·860	+ 59·048	1·60	46· 441	8·4	...
...	7·925	+ 43·859	0·65	...	...	*	23·692	- 3·755	0·95	...	...	...	44·011	- 25·272	- 4	...	...	...
...	7·975	+ 37·841	0·85	...	...	...	24·355	+ 47·494	- 5	m	...	...	44·225	- 21·166	- 3	...	...	...
*	8·013	+ 54·651	1·10	46· 431	9·8	...	24·481	- 25·671	0·65	...	...	...	44·306	+ 22·194	- 2	...	...	...
...	8·104	- 35·314	0·70	...	...	...	24·641	- 54·220	- 5	...	...	...	44·333	+ 2·610	- 1	...	...	...
241	+ 8·142	- 40·058	- 5	m	...	301	+ 25·337	+ 31·330	- 4	...	...	...	+ 44·352	- 11·727	- 5	...	...	...
...	8·674	- 1·445	- 5	...	...	...	25·502	+ 34·093	- 4	...	...	...	44·365	+ 55·666	- 4	...	...	...
...	8·716	- 45·594	0·65	...	...	...	27·281	- 58·470	- 5	...	...	...	44·372	- 55·749	- 5	...	...	...
*	9·557	- 4·381	1·20	47· 445	9·4	*	27·387	- 40·249	1·10	...	...	...	45·261	- 57·383	- 4	...	...	...
†	10·037	+ 20·378	0·90	...	...	...	27·440	- 58·601	- 5	m	...	...	45·520	- 9·155	- 5	m	...	...
...	+ 10·970	+ 57·455	- 4	...	...	...	+ 27·448	- 2·038	- 4	...	...	S*	+ 46·544	- 41·449	1·60	47· 452	8·8	...
...	11·075	- 51·858	- 5	...	...	...	27·711	- 9·686	- 4	...	...	...	46·614	+ 18·056	- 4	...	...	...
...	11·900	+ 4·660	- 5	...	*	...	27·760	- 53·524	1·10	47· 447	9·8	*	46·957	+ 24·328	1·00	...	...	...
...	11·910	- 45·099	0·75	...	*	...	27·861	+ 41·808	1·00	46· 437	9·8	...	46·991	- 12·400	- 5	...	...	...
...	11·980	- 23·161	- 5	...	...	...	27·923	+ 25·143	0·65	...	...	...	47·231	- 33·525	- 5	...	...	...
251	+ 12·132	+ 14·889	1·60	46· 432	8·8	311	+ 28·094	- 32·122	- 5	...	...	...	+ 47·504	+ 2·138	- 2	...	...	...
†	12·436	- 39·781	- 4	...	...	...	28·572	+ 29·177	- 5	...	...	S*	47·740	+ 43·915	1·60	46· 442	8·8	...
...	12·879	+ 15·923	- 5	...	...	*	28·799	+ 15·655	1·30	46· 438	9·3	...	48·691	+ 30·815	0·65	...	...	...
...	12·972	- 36·444	- 5	...	...	*	28·898	- 31·745	1·05	47· 448	9·8	...	48·704	+ 12·566	- 4	...	...	...
...	13·171	- 6·010	0·70	...	...	...	28·898	- 53·462	- 5	...	...	...	48·727	+ 41·193	- 5	...	...	...
+	13·476	+ 51·915	0·75	...	...	...	+ 28·991	- 19·356	- 3	...	...	...	+ 48·857	+ 49·297	- 3	...	...	...
...	13·693	- 36·586	- 5	...	...	...	29·310	+ 19·865	0·70	...	...	S*	49·025	- 25·591	1·40	47· 453	8·8	...
...	13·988	- 32·148	0·65	...	...	...	29·326	+ 33·104	- 4	...	...	...	49·226	+ 32·396	- 5	m	...	...
S*	14·120	+ 15·914	3·30	46· 433	6·9	*	29·385	- 14·352	1·30	47· 449	9·4	...	49·748	- 18·309	- 3	...	...	...
...	14·247	+ 29·843	- 2	...	...	...	29·505	- 47·873	- 5	m	...	...	49·943	- 56·059	1·40	47· 454	9·0	...
261	+ 14·261	- 19·330	- 5	...	...	321	+ 29·682	- 32·437	0·70	...	...	*	+ 50·976	+ 47·015	1·20	46· 443	9·7	...
*	14·592	+ 0·743	1·10	47· 446	9·6	...	29·693	+ 8·791	- 1	...	...	...	51·053	- 1·380	- 5	...	...	...
...	14·706	+ 39·027	0·75	...	...	...	30·312	- 25·493	- 4	...	...	...	51·364	+ 11·410	0·75	...	...	...
*	15·249	+ 29·434	0·85	...	...	...	31·140	- 48·971	- 4	...	...	...	51·525	- 18·878	- 3	...	...	...
*	15·665	+ 1·469	1·00	...	...	*	31·512	+ 46·847	1·30	46· 439	8·8	...	52·142	+ 26·783	- 4	...	...	...
...	+ 16·098	- 0·588	- 5	...	...	...	+ 32·252	+ 47·437	- 3	...	...	...	+ 52·339	+ 16·546	- 4	...	...	...
...	16·315	+ 26·936	- 5	...	...	*	32·363	+ 19·100	1·00	...	...	...	52·965	+ 0·449	- 1	...	...	...
...	16·533	- 3·485	- 4	...	...	...	32·461	- 46·529	- 3	...	...	*	53·073	+ 0·755	1·00	...	...	...
*	16·787	+ 56·624	1·10	46· 434	9·8	S*	32·689	+ 14·662	1·20	46· 440	9·0	...	53·102	- 8·218	0·65	...	...	...
...	17·578	- 12·742	0·70	...	...	...	33·381	- 47·899	- 3	...	...	*	53·659	- 14·537	1·15	47· 455	9·7	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	...	No.	Mag.		x.	y.	...	No.	Mag.
391-396																	
39 ¹	+55·568	+19·862	1·05	46· 444	9·8												
...	55·582	- 6·380	- 5	...	...										
...	55·683	+ 4·523	- 2	...	...										
...	55·927	-25·250	- 5	...	...										
...	56·593	+27·963	- 5	m	...												
S*	+57·814	- 8·317	1·50	47· 456	8·8												

1-40						41-80						81-120						
I	-58·728	+21·954	- 4	◦	...	...	-36·879	- 4·858	- 2	◦	...	...	-18·214	-38·424	- 5	◦	...
...	58·059	+ 2·380	- 3	...	...	...	36·702	+16·592	- 3	...	...	...	16·648	+26·828	- 4	...	...
...	57·509	-25·483	- 5	...	...	...	36·646	-23·076	- 5	...	...	...	16·622	+55·367	- 1	...	...
...	57·421	-21·383	- 5	...	...	...	35·572	- 6·267	- 3	...	...	...	16·223	-59·173	- 1	...	...
...	56·290	+17·916	- 5	...	...	...	33·324	+21·526	- 3	...	...	...	16·032	-10·795	- 5	...	...
...	-56·172	-55·938	- 5	...	...	...	-32·649	+46·642	- 5	...	...	...	-15·960	+26·954	- 5	...	...
*	56·134	+24·182	1·10	...	...	...	32·505	+ 2·385	- 3	...	...	...	15·760	-42·560	1·00	...	...
S*	55·981	+43·784	2·10	46· 442	8·8	...	32·448	-35·663	1·00	S*	15·649	+31·258	2·00	46· 448	8·8
...	55·223	-57·532	- 1	...	...	...	31·491	-29·996	1·00	...	...	...	15·486	+27·315	0·65	...	...
...	54·932	-12·520	- 5	...	...	...	31·340	-30·928	- 5	...	...	...	15·440	+18·482	1·20	...	...
II	-54·876	+ 2·016	- 3	51	*	-31·327	-58·031	1·30	48· 508	9·9	91	-15·092	-57·249	0·70
...	54·602	+30·714	- 3	30·633	-51·749	- 5	*	13·950	+31·332	1·10	46· 449	9·8
S*	54·450	-41·573	2·40	47· 452	8·8	...	30·423	+31·345	0·70	...	...	...	13·535	+18·839	0·95	...	...
*	52·845	+46·983	1·40	46· 443	9·7	...	30·148	-37·913	- 1	...	...	...	13·042	-13·558	- 4	...	...
S*	52·470	-25·641	2·00	47· 453	8·8	...	29·893	+42·058	- 5	...	...	...	12·396	+39·024	- 5	...	...
...	-51·998	-18·352	- 4	...	...	N†	-29·880	-29·987	- 3	...	...	...	-12·377	+48·604	0·85	...	...
...	51·331	+11·407	- 3	...	...	...	28·668	+26·475	- 5	...	...	...	11·932	-43·336	- 5	...	...
...	51·036	+26·781	- 5	...	...	...	28·302	-39·321	- 5	...	...	...	11·876	+10·600	- 1	...	...
*	50·577	-56·064	1·60	47· 454	9·0	...	28·205	+12·795	- 5	...	...	...	11·383	+31·694	1·70	46· 450	9·6
...	50·195	-18·857	- 4	...	...	...	27·425	+43·498	- 1	...	...	...	11·281	-12·550	- 5	...	...
21	-49·368	+ 0·510	- 4	61	-27·266	-47·840	- 4	101	-11·019	-53·852	- 5
*	49·277	+ 0·819	1·30	...	...	...	27·031	-25·683	- 5	...	...	...	10·443	+22·546	- 5	...	...
...	48·966	- 8·147	- 3	...	...	...	26·260	-49·053	- 2	...	...	...	10·245	+11·745	0·75	...	...
*	48·201	-14·460	1·50	47· 455	9·7	†	24·701	+16·966	0·70	...	...	...	9·849	+26·832	0·80	...	...
...	47·380	+20·002	1·05	46· 444	9·8	*	24·409	-22·702	1·40	47· 457	9·8	...	9·518	+26·973	- 4	...	...
...	-46·792	+ 4·667	- 3	-23·874	+25·322	0·90	S*	-8·852	-22·007	1·50	47· 460	9·7
...	45·593	-25·083	- 5	...	...	...	23·304	+54·309	- 5	...	...	...	8·613	+16·405	- 5	...	...
S*	44·245	- 8·095	2·50	47· 456	8·8	...	23·212	- 4·147	0·70	...	...	...	7·364	+40·723	0·90	...	...
...	42·467	+50·243	0·80	...	...	...	22·961	-52·930	- 5	...	...	...	6·539	-25·239	- 5	...	...
*	42·308	+21·424	1·20	46· 445	9·8	...	22·351	+13·907	- 5	...	...	...	6·216	+25·046	- 5	...	...
31	-41·896	- 8·573	- 5	71	-22·158	+49·734	0·70	III	- 6·108	-44·454	0·80
...	41·135	+10·076	0·75	...	...	...	22·090	+ 1·795	- 2	...	...	Fm*	5·401	+ 0·143	1·60	47· 461	9·8
...	40·858	-44·163	- 1	...	...	...	20·623	+ 9·288	- 5	...	...	...	5·082	-52·057	- 5	...	...
...	40·505	-14·026	- 5	...	...	...	20·013	-23·345	- 4	...	...	...	4·723	+36·480	- 1	...	...
...	40·029	-51·099	- 4	...	...	*	19·919	+26·449	1·80	46· 447	9·0	...	2·617	+32·097	0·80	...	...
...	-39·213	-29·676	1·00	...	...	*	-19·907	-49·100	1·60	47· 458	9·7	...	- 2·368	-36·351	- 5	...	...
...	38·120	-25·894	- 5	...	...	...	19·485	-44·093	- 5	...	...	...	2·063	- 1·904	- 1	...	...
*	37·896	+51·968	1·20	46· 446	9·8	...	19·447	+58·779	- 5	...	...	...	1·890	+39·528	- 5	...	...
...	36·930	-50·617	- 1	...	...	...	18·445	+30·534	0·80	...	...	...	1·406	+54·363	- 5	...	...
...	36·927	+27·458	- 5	...	...	*	18·428	-51·453	1·80	47· 459	9·3	...	1·110	+56·787	- 1	...	...

C measured from 1, 123.
NM " " 57, 188.

Images of faint stars very diffused.
56. Obscured by réseau; 2nd image measured and corrected.

Notes.	Co-ordinates		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.				
121-180																		181-240			
121	-0.215	-13.122	0.90	0	...	...	181	+27.288	+18.189	1.50	46.	457	9.4	241	+50.669	-40.695	2.10	47.	474	8.6	
...	+0.062	-40.366	-1	...	...	...	...	27.651	+35.483	0.95	...	...	...	...	50.677	+1.504	-5	...	...	...
...	1.750	-3.301	-5	...	...	...	...	27.887	+52.993	-5	...	...	...	...	50.965	-36.799	0.90	...	...	...
*	1.930	+13.612	1.30	46.	451	9.8	...	27.997	+45.570	0.80	...	...	...	...	51.370	+58.721	-1	...	...	...
...	2.799	-34.238	1.00	47.	462	9.8	...	29.016	-25.717	-5	...	...	...	...	51.468	-0.175	0.75	e	...	...
...	+2.953	-45.360	-3	...	...	...	...	+29.061	+21.331	-5	...	...	...	...	+51.764	+30.474	-4	...	...	...
...	3.686	+3.627	-1	...	...	...	...	29.577	+11.392	-5	...	...	...	...	51.825	-36.202	-4	...	...	...
...	3.962	-18.608	-4	...	...	...	...	30.317	-20.201	-1	...	...	...	...	51.856	-13.890	0.80	...	...	...
...	4.165	+38.675	-1	...	...	...	...	30.903	+21.696	-5	...	...	...	...	51.863	+38.726	0.90	...	...	...
*	4.425	-20.337	1.60	47.	463	9.3	...	31.182	+6.855	-3	...	...	...	...	52.548	-22.639	0.85	...	...	...
131	+4.926	+7.835	-5	...	...	...	191	+31.412	-6.224	-5	...	...	...	251	+54.169	+5.678	-5	...	...	...
...	5.285	+37.277	-5	...	...	...	...	31.895	-48.667	0.65	...	...	...	...	54.524	+40.433	1.00	46.	468	9.8	
...	5.436	+33.419	-5	...	...	...	...	32.786	+57.113	-5	...	...	...	...	54.643	+40.479	0.90	...	...	...
...	5.544	+10.260	1.00	...	...	...	...	32.890	+49.101	0.70	...	...	...	...	54.914	-5.419	-5	...	...	...
...	5.596	-37.694	-5	...	...	...	...	33.270	+10.045	-5	...	...	...	...	55.126	-22.472	1.60	47.	475	9.4	
*	+6.232	+11.387	1.20	46.	452	9.8	...	+33.471	+39.183	-1	...	...	...	...	S +	+55.728	-24.911	2.90	47.	476	8.0
...	6.757	+47.064	-3	...	...	...	...	34.686	-1.350	-4	...	...	...	...	S *	56.060	+21.116	2.30	46.	469	8.6
...	7.088	-22.512	-2	...	...	...	...	35.274	-55.068	-1	...	...	...	...	*	56.264	-43.460	1.80	47.	477	9.2
...	8.285	-7.196	-5	...	...	*	...	35.735	+30.544	1.50	46.	459	9.7	...	...	56.882	-44.313	-5	...	...	...
...	8.366	-51.674	-5	...	...	...	...	35.890	-51.109	-5	...	...	...	...	...	56.901	-53.203	-1	...	...	...
141	+9.030	+42.957	-4	...	...	...	201	+36.045	+14.532	0.80	...	...	...	261	* +57.729	-11.140	1.60	47.	478	8.8	
...	9.093	+17.653	-5	...	...	...	...	36.387	+56.118	0.65	...	...	...	...	* 58.267	-37.513	1.40	47.	479	9.8	
...	9.724	+11.667	-5	...	...	*	...	36.424	+43.961	1.10	...	...	...	...	58.359	+39.154	0.80	...	...	...
...	9.889	-48.730	1.00	...	...	...	...	36.473	+17.420	0.65	...	...	...	...	58.536	-12.919	-5	...	...	...
+	10.145	-54.982	-3	...	...	*	...	36.520	+35.215	1.00	...	...	...	...	59.406	-48.033	-1	...	...	...
*	+10.806	+12.376	1.40	46.	453	9.4	...	+36.755	+47.427	0.70	...	...	...	...	+60.030	+37.882	1.60	46.	470	9.7	
...	11.043	+34.925	1.00	...	...	...	...	39.064	-27.546	0.65	...	...	...	...	...	...	...	...	...	...
...	11.213	-56.647	1.05	...	...	*	...	39.691	-27.378	5.40	47.	469	7.4	...	...	...	...	...	...	...
...	11.316	-13.498	-4	...	...	*	...	39.748	+8.981	1.50	46.	460	9.7	...	...	...	...	...	...	...
...	11.921	-2.207	-5	...	...	...	...	39.839	-18.918	-5	...	...	...	...	...	...	...	...	...	...
151	S *	+12.294	-55.119	2.00	47.	464	8.6	*	+40.427	+45.798	1.60	46.	461	9.7	...	...	...	...	...	...	...
...	12.305	+34.251	-4	...	...	*	...	40.452	-8.387	1.05	...	...	...	...	...	...	...	...	...	...	...
...	12.528	-0.738	-5	...	...	...	...	40.500	-55.972	-2	...	...	...	...	...	...	...	...	...	...	...
...	13.847	-57.157	1.00	48.	521	9.9	*	40.996	+17.113	1.05	46.	462	9.8	...	...	...	...	...	...	...	...
...	13.940	+41.867	-5	...	...	...	...	41.069	+49.647	-4	...	...	...	...	...	...	...	...	...	...	...
...	+15.982	+51.636	-1	...	...	*	...	+41.073	+49.314	1.00	...	...	...	...	...	...	...	...	...	...	...
...	16.295	-15.346	0.85	...	...	*	...	41.169	+16.092	1.50	46.	463	9.7	...	...	...	...	...	...	...	...
*	17.796	-15.160	1.40	47.	465	9.3	*	41.407	+27.713	1.10	46.	465	9.8	...	...	...	...	...	...	...	...
*	17.799	+43.207	1.60	46.	454	9.4	...	41.457	+34.434	-5	...	...	...	...	...	...	...	...	...	...	...
...	18.385	-52.327	-5	...	...	*	...	41.505	+32.170	1.30	46.	464	9.8	...	...	...	...	...	...	...	...
161	+18.962	+12.194	-3	...	...	*	221	+42.527	-42.419	1.60	47.	470	9.8	...	...	...	...	...	...	...	...
...	19.707	-51.766	-3	...	...	*	...	42.732	-56.232	1.15	...	...	...	...	...	...	...	...	...	...	...
...	19.899	+45.085	0.85	...	...	*	...	43.265	+38.611	1.60	46.	466	9.6	...	...	...	...	...	...	...	...
+	20.184	+5.301	0.95	...	...	*	...	43.303	-58.434	-5	...	...	...	...	...	...	...	...	...	...	...
*	20.352	+2.124	1.30	47.	466	9.8	...	43.671	+1.648	-1	...	...	...	...	...	...	...	...	...	...	...
...	+20.541	-12.196	1.00	...	...	...	...	+43.836	-27.626	-5	...	...	...	...	...	...	...	...	...	...	...
...	20.906	+16.333	0.90	...	...	*	...	43.984	+31.570	1.20	46.	467	9.7	...	...	...	...	...	...	...	...
...	21.780	-24.518	-3	...	...	...	...	44.183	+20.485	0.80	...	...	...	...	...	...	...	...	...	...	...
...	21.819	-17.672	-5	...	...	...	...	44.186	+57.109	0.75	...	...	...	...	...	...	...	...	...	...	...
...	22.189	-21.687	-4	...	...	...	...	44.715	+39.937	-5	...	...	...	...	...	...	...	...	...	...	...
171	+22.232	+37.642	-5	...	...	*	231	+45.144	+47.595	-1	...	...	...	...	...	...	...	...	...	...	...
*	22.561	-33.987	1.00	...	...	...	...	46.218	+22.964	-1	...	...	...	...	...	...	...	...	...	...	...
*	23.698	-7.145	1.20	47.	467	9.8	*	48.055	-21.406	1.80	47.	471	9.3	...	...	...	...	...	...	...	...
...	23.926	-38.358	-5	...	...	*	...	48.255	-50.942	2.60	47.	472	8.8	...	...	...	...	...	...	...	...
S *	24.550	+30.772	2.60	46.	455	8.5	...	48.716	-26.920	-1	...	...	...	...	...	...	...	...	...	...	...
+	+25.124	+41.621	1.40	46.	456	9.2	...	+48.971	+58.960	1.10	...	...	...	...	...	...	...	...	...	...	...
...	25.894	+37.264	0.95	...	...	...	...	49.623	+42.079	-5	...	...	...	...	...	...	...	...	...	...	...
...	26.412	-30.442	-5	...	...	...	...	50.241	-14.347	-5	...	...	...	...	...	...	...	...	...	...	...
...	26.752	-56.858	-5	...	...	...	...	50.577	-30.595	1.60	47.	473	9.4	...	...	...	...	...	...	...	...
*	27.191	-40.468	1.20	47.	468	9.8	...	50.607	-17.258	-2	...	...	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1-60						61-120						121-180					
I	-59°350	+31°331	1°00	46° 467	9·7	61	-44°253	-10°929	1°60	47° 478	8·8	121	-27°810	+42°988	-3	°	...
*	59°249	-31°072	-5	...	...	...	44°022	-44°092	-5	...	...	...	27°684	-56°296	-5	...	...
...	59°070	-6°625	-5	...	...	...	43°990	+9°078	-5	...	...	...	27°464	-58°934	-5	...	...
...	59°039	+33°451	-5	M	...	...	43°728	-53°002	0°80	...	...	...	26°558	-16°390	1°00	47° 481	9·8
...	58°896	+39°711	-5	...	...	...	43°520	+38°124	1°30	46° 470	9·7	...	26°551	+6°130	1°00	46° 478	9·6
†	-58°806	+20°256	0°70	...	...	...	-43°401	-12°664	-4	...	...	...	-26°488	+27°360	-5	M	...
...	58°716	+47°392	-3	...	...	...	43°044	+10°467	-5	...	...	...	26°151	-17°984	-3	...	...
...	58°707	+1°410	0°70	...	...	...	42°870	-37°269	1°05	47° 479	9·8	...	26°134	-16°274	-5	...	...
*	58°457	-42°688	1°40	47° 470	9·8	...	42°733	-1°683	-5	M	...	...	25°995	+52°769	-5	...	...
...	58°370	-3°797	-5	...	...	...	42°530	+31°194	-5	...	...	...	25°850	+8°796	-4	...	...
II	-58°006	+27°573	-5	M	...	71	-41°814	+17°499	-5	M	...	...	-25°524	-1°675	0·85	...	...
*	57°798	-56°495	1°40	...	...	*	41°813	+37°449	1°60	46° 471	8·8	...	25°466	+59°079	-5	...	...
...	57°764	-1°527	-5	...	...	...	41°783	+42°224	-5	M	...	...	25°390	+0°992	-4	...	...
...	57°614	-27°841	-4	...	...	...	41°493	+41°372	-4	...	...	...	25°181	-59°429	-5	...	...
...	57°013	-15°984	-5	...	...	...	41°395	-47°746	0°75	...	...	...	25°137	+29°978	-5	...	...
...	-56°832	+22°803	0°70	...	...	...	-41°053	+17°023	0°80	...	...	...	-24°984	-34°764	0·65	...	...
...	56°416	-3°551	-5	...	...	...	40°915	-18°805	-5	...	...	...	24°956	-26°649	0·80	...	...
...	56°245	-17°632	-4	...	...	...	40°723	+19°863	-5	M	...	...	24°889	+51°799	0·70	...	...
*	55°977	-46°571	-5	M	...	*	40°098	+12°050	0°95	46° 472	9·8	...	24°720	-3°920	0·90	...	...
*	55°231	+58°860	1°30	...	...	...	39°871	+9°533	-2	...	...	...	24°588	+12°697	-5	...	...
21	-54°728	+11°240	-5	M	...	81	-39°359	+50°904	-1	...	...	...	-24°231	+57°230	-1	...	...
...	54°434	+11°933	-5	M	...	*	38°783	+32°656	1°50	46° 473	8·2	...	24°214	-7°333	-5	...	...
...	54°054	+41°991	-1	...	...	...	38°630	-31°838	0°70	...	...	...	23°491	+13°503	1°05	46° 479	9·6
*	53°593	-21°476	1°60	47° 471	9·3	...	38°524	+43°126	-5	...	...	...	23°347	-34°510	0·70	...	...
...	52°843	+58°700	-1	...	...	...	38°486	+0°820	-3	...	...	...	23°274	-11°753	0·65	...	...
...	-52°770	-26°973	0°65	...	...	...	-38°368	+9°298	-4	...	...	...	-23°231	+17°331	-4	...	...
†	52°732	+55°158	-4	...	...	...	38°337	-53°740	-5	...	...	...	22°851	+51°280	0·70	...	...
*	52°454	-51°011	2°10	47° 472	8·8	...	36°654	-16°353	-5	M	...	...	22°371	-10°339	0·70	...	...
...	51°706	+38°720	0°90	...	...	...	36°509	+32°596	-5	...	...	...	21°970	-54°203	0·85	...	...
...	51°694	+1°508	-1	...	...	...	36°201	+19°429	-4	...	...	...	21°332	+42°044	-5	...	...
31	-51°628	-14°388	-4	...	...	91	-36°091	-18°480	-1	...	...	...	-21°131	+10°905	-3	...	...
...	51°535	+30°484	-1	...	...	...	35°623	+6°294	-3	...	...	...	20°763	-11°393	-3	...	...
...	51°166	-17°260	0°65	...	...	...	34°800	+12°706	0°85	...	...	...	19°711	+23°426	-4	...	...
...	50°864	-0°172	0°75	E	...	...	34°753	+59°815	-1	...	...	...	18°694	+34°789	-4	...	...
*	50°764	-30°581	1°30	47° 473	9·4	...	34°238	+11°843	-4	...	...	...	18°436	+11°065	-5	...	...
S *	50°355	-49°373	-5	M	...	*	-33°676	+8°389	0°95	...	...	...	-18°119	+29°064	-5	M	...
*	50°345	-40°695	1°80	47° 474	8·6	...	33°345	-35°401	-4	...	...	...	18°049	-14°720	0·70	...	...
...	50°195	-36°778	0°80	...	...	*	33°233	+54°263	1°20	46° 474	9·8	...	18°020	+18°170	-5	...	...
...	50°102	+22°055	-5	M	...	...	33°074	-32°791	0°80	...	...	...	17°610	+31°099	-5	M	...
...	50°019	-13°860	0°70	...	...	...	32°853	+44°865	-5	...	...	...	17°290	-34°936	-4	...	...
41	-49°342	-36°158	0°65	...	...	101	-32°852	-36°042	-4	...	...	...	-17°132	+56°737	-5	...	...
...	49°337	+57°041	-5	...	...	...	32°538	-23°014	0°85	...	...	...	16°197	+21°960	0·75	...	...
n *	49°084	+40°530	0°95	46° 468	9·8	*	32°507	+22°557	1°00	46° 475	9·7	...	16°016	+51°279	-5	M	...
n	49°062	-22°570	0°80	...	...	...	32°250	-35°425	-5	...	...	...	15°959	+52°358	0·80	...	...
n	48°975	+40°568	0°80	46° 468	9·8	...	32°117	+3°535	-5	M	...	...	15°930	-54°444	-1	...	...
...	-48°462	-37°638	-5	...	...	*	-32°053	+57°905	1°30	46° 476	9·4	...	-15°300	-38°964	-4	...	...
...	48°358	+5°777	-1	...	...	S *	31°836	-35°743	2°00	47° 480	8·2	*	14°389	+34°176	1°30	46° 480	9·7
...	47°590	+5°534	-1	...	...	...	31°622	+16°191	-4	...	...	...	13°789	+54°569	-5	M	...
...	47°475	+12°558	-4	...	...	*	31°114	+25°019	1°40	46° 477	8·8	...	13°711	+58°665	0·70	...	...
...	47°216	+46°258	-5	...	...	...	31°066	+10°496	0°85	...	...	*	13°384	-52°473	1°30	47° 482	9·6
51	-46°935	+21°262	1°70	46° 469	8·6	III	-30°882	-26°003	-5	...	...	...	-12°918	+41°216	-1	...	...
*	46°477	-22°316	1°20	47° 475	9·4	...	30°852	+14°366	-5	...	...	...	12°837	-33°940	-3	...	...
...	46°299	-35°371	-5	...	...	...	30°173	+49°130	-1	...	...	...	12°688	+8°790	0·70	...	...
...	46°251	-16°386	-5	...	...	...	29°607	-34°474	-5	...	...	...	12°165	-16°039	0·80	...	...
S *	46°001	-26°728	-5	M	...	...	29°527	+38°672	0°75	...	...	...	12°093	-19°766	0·70	...	...
S *	-45°795	-24°759	1°80	47° 476	8·0	...	-29°010	+28°829	-5	...	...	...	-11°584	-48°354	-4	...	...
...	45°493	+49°270	-5	...	...	...	28°860	+52°836	-5	...	...	...	11°468	-31°383	-5	M	...
...	45°232	+39°358	0°85	...	...	...	28°809	-22°872	-5	M	...	...	11°102	-28°410	0·70	...	...
*	44°675	-43°268	1°60	47° 477	9·2	...	28°718	-13°261	-5	...	...	...	11°098	-19°312	-5	M	...
...	44°471	+52°136	-5	...	...	...	28°186	-20°444	-3	...	...	...	10°864	-9°298	-5	M	...

NM measured from 1, 153, 263.

C " 80, 217, 341.

43, 45, C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
181-240																		
181	-10.856	-54.613	-5	° M	...	241	+ 8.464	+25.934	-5	°	...	301	+31.058	+20.705	0.85	...	...
...	10.628	-20.876	-5	...	...	...	9.222	-22.269	-5	...	...	...	31.069	-19.971	-5	m	...
...	10.197	+ 0.986	-4	...	...	...	10.122	+28.746	-2	...	...	...	31.262	-33.740	0.70	...	...
...	9.944	-10.024	-1	...	...	...	10.697	+ 0.692	-4	...	...	...	31.267	+24.492	-4	...	...
...	8.593	-46.043	0.70	...	...	*	10.972	+16.936	1.40	46. 487	8.8	...	31.620	+28.731	0.75	...	...
...	-8.291	-20.912	0.80	...	...	...	+11.158	+47.327	0.80	...	...	...	+32.043	-22.804	-5	...	...
...	7.244	+42.954	-5	M m	...	S *	11.362	-18.534	2.60	47. 491	7.4	...	32.188	-25.393	0.65	...	...
*	7.183	-30.120	1.05	...	...	...	12.151	+21.328	0.70	...	...	...	32.315	+26.392	0.70	...	...
...	6.961	-30.694	-4	...	...	...	12.816	-23.740	0.70	...	...	...	32.494	+11.565	-5	m	...
...	6.943	+23.290	-5	...	...	*	13.343	+43.903	1.10	46. 488	9.3	...	32.810	+26.384	-5	...	...
191	-6.860	+30.131	0.65	...	...	251	+13.759	-13.615	-4	...	...	311	+33.109	-8.510	0.65	...	...
...	6.712	+16.778	-3	A m	...	...	13.797	+42.673	-5	...	...	...	33.130	-8.299	-5	...	...
...	6.431	-58.976	-1	...	...	...	16.298	+42.657	-5	...	...	...	33.210	+24.973	-5	m	...
...	6.013	-38.066	-1	...	...	...	16.314	+29.285	-4	...	...	...	33.218	-24.698	-4	...	...
...	5.943	-27.134	-5	...	...	*	16.727	-45.759	1.40	47. 492	9.1	...	33.366	+24.814	-5	m	...
...	-4.524	+24.315	-5	M	...	...	+16.784	-21.111	-1	...	...	*	+33.436	+59.716	1.60	46. 497	9.4
S *	4.048	+13.529	2.10	46. 481	8.2	*	17.033	-13.277	1.20	47. 493	9.3	...	33.589	+32.273	-5	...	...
*	4.010	+36.203	1.10	46. 482	9.4	*	18.614	+17.614	1.00	46. 489	9.8	...	33.680	+21.850	0.70	...	...
*	4.003	+41.896	0.90	...	...	*	18.855	+24.131	0.90	46. 490	9.8	...	33.759	+41.016	0.70	...	...
*	3.720	+15.125	0.90	46. 483	9.8	...	19.087	+43.258	-4	...	...	*	33.796	-9.512	1.10	47. 494	9.4
201	-3.046	+44.523	-5	*	+19.379	+26.531	1.10	46. 491	9.4	...	321	+34.391	+4.662	0.70
...	2.761	+44.488	-5	M	...	...	19.484	+9.736	-5	...	...	...	35.033	-20.969	0.90	...	...
...	2.721	-48.301	-5	...	...	...	20.006	-43.527	0.65	...	...	...	35.036	+32.303	0.70	...	...
...	2.597	-10.115	-5	...	...	...	20.284	-14.773	-5	...	...	...	35.174	-22.256	-5	m	...
*	2.580	-15.078	1.00	47. 483	9.8	*	20.634	+41.379	1.00	46. 492	9.8	...	35.522	+6.739	-5	m	...	
*	-2.449	-5.731	0.90	...	...	...	+20.693	-51.249	-5	...	...	*	+35.951	-12.130	-5	...	...
...	2.253	+28.298	-5	M m	...	...	21.085	+52.116	0.90	...	...	...	36.475	-38.585	0.70	...	...
S *	1.715	+46.842	1.50	46. 484	8.5	...	21.140	+38.675	-4	...	...	...	36.587	+50.619	-5	...	...
...	1.610	+22.522	-5	M m	...	...	21.434	+38.154	-5	...	...	*	36.590	+20.320	1.00	46. 498	9.8
*	1.216	-52.887	1.10	47. 484	9.8	...	21.712	-19.757	0.85	...	...	...	37.003	+49.024	-1	...	...
211	-1.042	-51.207	0.80	271	+21.861	+59.684	-3	331	+37.062	-38.268	0.90
...	0.659	+42.960	0.85	...	...	...	22.027	-52.127	-5	m	...	...	37.747	+50.709	-5	...	...
*	0.517	-34.301	0.90	...	...	...	22.435	+20.038	-5	...	...	...	37.856	-44.674	-4	...	...
...	0.427	+52.254	0.75	...	...	*	22.581	+39.009	1.60	46. 493	8.6	S *	38.342	+5.173	1.50	46. 499	8.6
*	0.193	+20.657	1.00	46. 485	9.6	...	22.763	+58.857	1.05	...	...	...	38.422	-29.159	-5	...	...
+	0.143	-8.169	0.80	...	...	...	+22.846	-19.046	-4	...	...	...	+38.595	-13.438	-5	...	...
*	+ 0.197	-57.612	1.20	48. 543	9.8	*	23.712	-46.376	1.00	...	...	...	38.731	+59.521	-5	...	...
...	0.256	-42.138	-5	...	...	...	23.834	-17.566	0.80	...	...	...	39.508	+28.577	-5	...	...
...	0.780	-38.028	-5	...	...	*	24.176	+5.398	0.95	46. 495	9.8	*	39.590	-16.899	1.60	47. 495	8.8
...	0.948	+21.808	-5	...	...	*	24.403	+53.621	1.05	46. 494	9.8	†	39.756	-31.101	-3	...	...
221	+ 1.796	-19.034	0.70	...	...	281	+24.566	-17.778	-4	...	...	341	+39.890	-23.290	-5	...	...
...	1.804	+26.601	-4	...	...	...	24.588	-26.892	0.65	...	...	...	40.117	-53.401	-5	m	...
...	1.826	+31.530	-5	M m	...	...	24.641	+37.132	-4	...	...	...	40.180	+6.502	-4	...	...
...	2.120	+11.184	-5	M	...	...	24.686	-22.082	-5	...	...	...	40.637	-22.438	-2	...	...
*	2.539	+ 0.170	0.90	F m	...	...	24.979	-48.589	-5	...	...	...	40.673	-18.745	0.70	...	...
+	2.541	+ 4.422	-3	...	...	...	+25.176	-19.919	0.80	...	...	...	+40.841	+49.839	-5	m	...
*	2.580	+38.490	1.00	46. 486	9.7	*	25.937	-39.099	1.00	...	...	...	41.178	-11.788	-3	...	...
*	2.656	-3.003	0.95	...	...	...	25.951	+2.156	0.65	...	...	...	41.230	+32.614	-5	...	...
...	3.324	+23.379	-5	M	...	...	26.219	+16.067	-5	m	...	...	41.231	+2.213	-5	m	...
...	3.361	-17.248	-5	...	...	...	26.701	+43.888	-5	...	...	*	41.313	+2.512	1.10	46. 500	9.4
231	S *	+ 3.579	-48.592	1.60	47. 485	8.4	291	+26.754	-48.928	-5	351	+41.435	+53.721	-5
...	4.085	+47.165	-3	...	...	...	26.758	+11.640	-5	m	...	...	41.448	-8.098	0.90	...	...
+	4.878	-4.519	0.90	47. 486	9.7	...	26.780	+15.350	0.85	...	...	...	41.893	-6.206	0.70	...	...
+	4.882	-27.450	0.95	47. 487	9.8	...	26.780	-36.452	-5	m	...	...	42.402	-26.715	-1	...	...
...	5.007	-14.860	-4	...	...	S *	28.002	+45.766	1.50	46. 496	8.6	S *	42.809	-1.375	2.60	47. 496	7.8
...	+ 6.337	+59.741	-4	...	...	...	+29.153	+36.725	-3	...	...	...	+42.875	+27.667	-3	...	...
*	6.717	-49.783	1.20	47. 488	9.2	...	29.252	-55.278	-4	...	...	...	43.246	-29.589	-4	...	...
*	7.390	-10.453	1.20	47. 489	9.3	...	30.583	+42.215	0.70	...	...	...	43.328	+17.286	-5	...	...
...	7.653	-16.830	-3	...	...	*	30.898	-31.025	0.90	...	...	...	43.888	+43.839	-3	...	...
*	7.776	-39.905	1.40	47. 490	9.0	...	30.952	-28.869	-5	...	...	...	45.040	-14.947	-4	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
361-380																	
361	+45°202	+1°482	-3	o	...	...	+52°774	-4°728	-3	o	...	...	+57°001	-21°167	-5	o	...
...	45°217	+5°142	-3	...	...	...	52°812	+42°087	-5	...	...	...	58°494	+4°637	-5	...	...
...	45°619	+44°656	-3	...	...	...	53°093	-7°674	-5	...	...	...	58°781	+35°347	-3	...	...
...	45°658	-10°650	0°70	...	...	...	53°147	-35°461	0°90	...	...	...	* 59°223	-11°647	1°40	47° 500	9°3
...	45°792	+47°808	0°65	...	...	...	53°310	-20°419	-2	...	...	...	59°366	-15°785	-2	...	...
...	+45°988	-0°714	-2	...	...	...	+53°453	+7°538	0°75	...	...	...	+59°601	-50°730	-5	...	...
...	46°083	+56°617	-4	...	...	...	53°654	-30°212	0°65	...	...	...		
...	46°524	-52°490	-1	...	...	...	54°678	+14°899	0°70	...	...	...		
S *	47°572	-43°268	1°40	47° 498	8°8	†	54°797	-37°993	0°75	47° 499	9°8						
†	47°627	+5°224	0°90	46° 501	9°8	...	55°575	-40°602	-4	...	...				
371	+48°046	+43°879	0°80	...	...	...	+55°644	-38°265	0°85	...	...				
*	48°212	-2°285	1°10	47° 497	9°4	...	55°725	-8°607	-2	...	...				
...	48°428	+42°995	-4	...	...	...	55°762	-6°317	-3	...	...				
*	50°064	+27°850	1°00	...	...	...	55°980	+2°145	-3	...	...				
...	50°566	-17°044	-5	m	...	N *	56°047	+54°882	1°40	46° 503	9°3						
...	+50°583	+22°266	-2	...	...	...	+56°324	-28°201	-5	...	...				
...	50°822	-55°618	-1	...	...	...	56°509	-24°806	0°90	...	...				
...	51°078	-18°837	-4	...	...	...	56°602	-23°250	-5	...	...				
*	52°021	+11°774	1°40	46° 502	8°6	*	56°681	+12°455	1°00	...	...				
...	52°160	-40°489	-4	...	...	...	56°866	+57°309	-5	...	...				

395. Mass. 46° 30, 47° 30, two stars.

1-30						31-60						61-90						
I	-59°828	+43°579	-5	o	...	...	31	-47°968	+55°016	0°80	46° 503	9°3	61	-37°702	-11°777	1°05	47° 502	9°8
S *	59°458	-1°646	2°60	47° 496	7°8	...	N n	47°708	-30°121	-1	...	...	...	37°050	+8°620	-5	M	...
...	59°055	-26°983	-3	...	...	...	...	47°292	+57°467	-5	...	...	...	36°363	+1°171	-5	M	...
...	58°120	+44°444	-5	...	...	...	...	46°416	+2°295	-3	...	...	...	36°276	+34°964	-5	...	...
...	58°120	-29°842	-5	...	...	...	...	46°368	-6°175	-2	...	...	...	36°249	-57°492	-3	...	...
...	-58°074	+47°600	-1	...	...	*	...	-46°330	-37°858	1°00	47° 499	9°8	...	-36°184	-56°950	0°70	...	...
...	58°056	+56°414	-5	...	...	...	...	46°318	-8°469	-2	...	...	...	36°045	+53°058	-5	...	...
...	57°275	+4°950	-4	...	...	*	...	46°030	+12°626	0°90	...	...	...	35°882	+10°682	-5	...	...
...	57°166	+1°289	-5	...	...	...	...	45°462	-38°109	0°85	...	...	*	35°124	-29°804	1°20	47° 503	9°3
...	56°329	-10°820	0°65	...	...	...	...	45°452	-40°447	-3	...	...	...	35°118	+45°342	-4	...	...
II	-56°315	-0°880	-3	...	...	...	41	-45°091	-28°043	-5	...	...	...	-34°939	+42°096	-5	M	...
...	55°693	+43°749	0°80	...	...	+	...	45°018	-24°621	0°85	...	...	...	34°106	+52°511	0°75	...	...
*	54°849	+5°112	1°00	46° 501	9°8	...	...	44°694	+35°564	0°65	...	...	*	34°058	-33°162	1°15	47° 504	9°6
...	54°142	-52°625	-3	...	...	...	...	44°655	-20°971	-5	...	...	...	33°991	-27°832	-3	...	...
S *	54°044	-2°384	1°10	47° 497	9°4	...	...	43°985	+4°869	-5	...	...	...	33°773	-26°919	0°65	...	...
...	-53°386	-43°370	1°50	47° 498	8°8	...	...	-43°833	+41°101	-5	...	...	...	-33°508	-30°055	0°65	...	...
...	53°150	+27°788	1°00	...	...	...	...	43°536	+55°283	-4	...	...	*	33°464	-28°385	0°95	...	...
...	52°455	+22°233	-3	...	...	...	...	43°024	+27°579	0°70	...	...	...	33°139	-54°743	0°70	...	...
...	50°680	+11°784	1°40	46° 502	8°6	...	...	42°867	+23°392	0°70	...	...	...	33°100	+2°899	-5	...	...
...	50°653	-18°823	-4	...	...	*	...	42°732	-11°389	1°30	47° 500	9°3	...	32°866	+27°464	0°70	...	...
21	-49°719	-55°611	-1	...	...	...	51	-42°532	-17°816	-5	...	...	...	-32°632	+16°765	-1	...	...
T	49°416	-4°674	-2	...	...	...	...	42°453	-15°518	-2	...	...	...	32°175	+3°418	0°80	...	...
...	49°121	+7°604	0°75	...	...	...	...	41°622	-7°419	-3	...	...	S *	32°089	+28°193	1°50	46° 504	8°8
...	48°979	-7°625	-5	...	...	...	...	41°103	-50°432	-4	...	...	...	32°076	-40°730	-5	M	...
...	48°872	-40°438	-3	...	...	*	...	40°544	-18°678	1°10	47° 501	9°7	...	32°041	-25°786	-5	...	...
...	-48°357	-20°340	-2	...	...	...	...	-40°188	-41°452	0°90	...	...	...	-31°731	+32°838	-4	...	...
...	48°119	+14°993	0°75	...	...	†	...	39°913	-48°407	-5	...	...	...	31°724	+2°761	-3	...	...
Nn*	48°051	+54°984	1°20	46° 503	9°3	...	...	39°144	-5°890	0°85	...	...	*	31°521	+42°283	-1	...	...
...	48°045	-35°391	0°90	...	...	...	...	38°744	-37°662	0°75	...	...	31°275	-8°565	0°90	...	...
...	48°037	+50°788	-5	M	...	...	...	38°697	-36°653	-1	...	...	31°262	-0°583	-5	M	...	

C measured from I, 146, 313.
 NM " 57, 218, 395.
 28, 31. 46° 30, two stars; 47° 29, mass; C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
91-150																	
91	-31.110	-1.587	-5	o	...	151	-17.491	+3.973	-5	M	...	211	-1.979	+37.379	-5	m	...
...	30.548	+15.712	-1	...	...	...	17.097	+20.141	0.75	...	...	S *	1.670	-25.539	1.60	47. 507	8.3
...	30.394	+28.776	0.70	...	...	...	16.985	+11.849	-5	...	...	...	0.751	+24.505	-5	m	...
...	30.359	-18.654	0.70	...	...	*	16.687	+23.572	1.20	46. 508	9.3	...	0.718	-27.303	-4	m	...
...	30.358	-36.004	-4	...	...	...	16.387	-58.724	-1	...	...	...	0.684	-30.707	-5	m	...
...	-29.619	+49.901	0.65	...	...	...	16.291	-54.094	-5	...	...	...	0.495	-41.169	-5	M m	...
...	29.489	+31.579	0.70	...	...	...	16.128	-46.990	-4	...	...	+	0.139	+34.937	-2	...	...
...	29.365	+55.660	0.75	...	...	*	16.095	-10.390	1.00	47. 505	9.9	...	+ 0.335	-31.669	0.65	...	...
...	28.726	+44.334	-5	M	...	...	15.749	-26.861	-5	...	...	...	0.670	+11.553	-5	m	...
...	28.630	-59.152	-4	...	...	...	15.591	-8.677	-4	...	...	...	0.760	-42.185	-4	...	...
101	-28.578	+8.449	-5	B	...	161	-15.504	-48.082	-5	...	...	...	+ 0.915	+55.320	-5	m	...
...	28.465	+37.865	-5	...	...	*	15.343	+18.172	1.00	46. 509	9.6	...	0.934	+11.959	-5	M m	...
+	28.095	+15.196	0.75	...	...	...	15.220	-20.334	0.80	...	...	*	1.350	-55.945	1.50	47. 508	9.4
...	27.978	+13.739	0.65	...	...	...	15.117	-30.494	-4	...	...	*	1.822	-18.124	0.90	...	...
...	27.936	-10.116	-5	...	...	+	15.088	+35.625	-4	...	...	*	1.825	-46.288	1.40	47. 509	9.2
...	-27.816	+26.224	-5	M	...	+	15.008	+29.437	-4	...	...	+	1.868	-49.870	-1	...	...
...	27.793	+16.752	-5	...	...	...	14.335	-1.253	-5	...	...	...	1.900	+13.438	-5	M m	...
...	27.170	-42.171	-4	...	...	*	14.082	-43.863	1.15	47. 506	9.4	...	2.251	+30.294	-3	...	...
...	27.105	+28.920	-5	...	...	...	13.883	+24.111	-4	...	...	*	2.617	-46.361	0.95	...	...
*	26.849	+21.658	1.00	...	...	...	13.393	+31.158	-5	...	...	...	2.726	-14.268	-5	M m	...
111	-26.369	-34.776	0.65	...	...	171	-13.385	+15.800	-3	...	...	...	+ 2.777	-1.408	0.70	...	...
...	26.009	+39.465	0.70	...	...	...	13.358	-52.542	0.90	...	...	...	2.903	-29.930	-5	M m	...
...	25.997	+1.048	0.65	...	...	...	13.293	+26.036	-3	...	...	*	3.262	-28.386	1.00	47. 510	9.6
...	25.618	-12.262	-5	M	...	...	12.466	-51.832	0.80	...	...	...	3.567	-17.793	0.70	...	...
...	25.602	+55.006	0.70	...	...	...	12.333	+49.553	-5	...	...	...	3.797	+5.874	-5	M m	...
...	-25.204	+3.879	-5	...	...	*	12.120	-30.783	0.85	...	...	+	3.939	-4.149	-4	M m	...
*	25.179	+32.818	0.95	...	...	...	11.660	-38.243	-3	...	...	...	4.114	+35.888	-5	M m	...
...	24.808	-8.065	-5	...	...	S *	11.656	+18.610	1.70	46. 510	8.6	*	4.374	-29.421	0.90	...	...
...	24.769	-1.129	-3	...	...	...	11.556	-26.076	-5	...	...	...	4.416	-16.773	-3	m	...
...	24.707	+19.204	-4	...	...	...	11.107	-39.236	-1	...	...	*	4.711	+51.314	1.10	46. 514	9.8
121	-24.686	+43.831	0.90	...	...	181	-11.084	+4.969	-3	...	...	...	+ 4.813	-32.650	-5	M m	...
...	24.615	+12.222	-2	...	...	*	10.916	+37.918	1.00	46. 511	9.8	+	4.872	-35.928	1.20	47. 511	9.4
...	24.425	+53.780	-5	M	...	...	10.731	+32.319	-5	...	...	...	5.026	-11.860	-5	m	...
...	24.345	+0.030	0.70	α	...	...	10.517	+19.905	-2	...	...	...	5.131	-11.288	-4	m	...
*	24.273	+19.662	0.95	46. 505	9.9	...	10.451	-50.886	-5	...	...	...	5.172	-51.897	-5	m	...
...	-24.143	+5.047	-5	...	...	...	10.416	-38.537	-5	...	...	+	5.201	-46.964	-4	m	...
...	23.338	+2.752	-1	...	...	...	10.310	+49.617	-5	...	...	*	5.761	+9.963	0.80	...	...
...	23.304	-24.043	0.85	...	...	+	10.155	+54.042	1.00	46. 512	9.7	...	5.792	-11.301	-5	M m	...
...	23.037	+47.292	-5	...	...	+	10.020	-23.822	0.75	...	...	...	5.931	+39.684	0.70	...	...
...	22.809	-5.589	-5	...	...	...	9.783	-3.656	-4	...	...	...	5.960	-41.417	-3	...	...
131	-22.636	-24.147	0.65	...	...	191	-9.662	-40.891	-5	...	...	...	+ 6.127	-4.376	-5	M m	...
...	22.522	+2.450	-5	...	...	...	9.411	-27.358	-5	...	...	...	6.236	-16.283	0.75	...	...
...	22.161	-35.648	-4	...	...	+	8.776	+25.266	-5	...	...	*	6.337	+34.392	1.05	46. 515	9.6
...	22.011	-38.905	0.75	...	...	S *	8.682	+8.451	1.60	46. 513	8.5	...	6.440	+28.529	-4	...	...
...	21.752	-16.353	0.70	...	...	...	8.279	-1.658	-4	m	...	...	6.716	-59.050	-5	m	...
...	-21.686	-31.427	-5	...	...	...	8.132	+54.855	-4	...	...	+	6.945	-50.607	-1	m	...
...	21.617	-16.498	-5	...	...	...	7.949	-2.954	-3	m	...	...	7.281	-4.331	-5	M m	...
...	21.553	-30.949	0.75	...	...	...	7.796	-36.386	-3	...	...	...	7.513	-42.666	-5	m	...
...	21.528	-36.755	-5	...	...	...	7.489	-26.602	-5	m	...	...	7.700	+20.046	0.80	...	...
*	20.916	+12.700	1.20	46. 506	9.6	...	7.414	-36.027	-5	m	...	...	7.770	+33.100	0.75	...	...
141	-20.440	+40.203	0.80	...	...	201	-6.950	-2.448	-3	m	...	+	7.906	+19.806	0.70	...	...
...	20.404	-48.267	-5	...	...	...	4.546	-4.386	-3	m	...	...	7.917	-45.246	-5	m	...
...	20.332	-51.494	-5	...	...	+	4.147	-49.600	-1	...	...	...	8.146	+18.455	-4	m	...
...	20.317	+12.265	-5	M	...	...	4.009	+50.454	0.70	...	...	...	8.378	+17.224	-5	M m	...
*	20.190	+20.905	1.05	46. 507	9.7	...	3.950	-52.253	-5	m	...	+	8.928	+22.975	-5	...	...
+	-20.040	-16.020	-2	...	...	...	3.921	+57.414	-1	...	...	+	9.876	-28.399	1.20	47. 512	8.8
...	19.528	-31.213	-5	...	...	...	3.853	+5.174	-2	...	...	...	10.099	-57.606	-5	m	...
...	19.517	-24.911	-4	...	...	...	3.488	+28.160	-5	m	...	*	10.362	+20.991	1.00	...	...
...	18.731	-12.175	-2	...	...	...	2.503	-40.669	-5	m	...	...	10.416	-55.230	0.85	...	...
...	17.875	-20.578	-3	...	...	*	2.242	+29.033	0.90	...	...	...	10.667	-50.987	0.80	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
271-330																	
271	+11°043	-37°972	-4	m	...	331	+23°074	+60°067	-3	...	...	391	+37°677	-50°712	-5	o	...
...	11°128	-57°265	-5	m	...	...	23°624	-8°781	-4	m	...	...	37°914	+14°004	-3	...	...
...	11°161	-56°120	-5	m	...	...	23°662	+58°594	-5	m	...	...	38°159	-31°165	-4	...	...
*	11°228	-25°466	0°90	...	...	...	23°753	-5°635	-1	...	...	...	39°130	+41°702	-1	...	...
...	12°430	-23°252	-5	m	...	...	24°277	-7°714	-5	m	...	*	40°249	-10°629	0°90	...	...
...	+12°451	-20°144	0°70	...	...	...	+24°385	+24°341	0°75	...	...	...	+40°446	+24°612	-5	m	...
...	12°470	+42°878	0°70	...	...	...	24°639	+42°072	-3	...	...	...	40°710	+24°585	-5	m	...
...	12°605	+44°610	-5	m	...	...	24°881	+55°630	-3	...	...	...	40°838	-56°959	-3	b	...
*	12°747	-51°383	1°05	...	...	...	24°912	-14°473	-5	m	...	...	40°858	+47°873	0°70	...	...
...	12°872	+11°187	-1	...	...	...	25°713	-28°358	0°80	...	...	...	40°872	-44°945	-4	m	...
281	+13°089	-26°562	-5	m	...	341	+26°647	+47°351	1°00	...	...	401	+41°817	-35°353	-5	m	...
...	13°295	-24°849	0°70	...	...	...	26°844	-46°549	-5	m	...	*	42°003	-31°398	0°90	...	...
†	13°495	+15°281	-5	m	...	...	26°854	-4°457	-4	m	...	...	42°255	+0°081	-5	m	...
...	13°806	+53°159	-1	...	...	...	27°337	+17°719	-5	m	...	...	42°463	+12°316	-5	m	...
...	13°903	-12°888	-5	m	...	...	27°360	+12°927	-5	m	...	...	42°574	+42°034	-5	m	...
...	+14°393	+25°419	-5	m	...	...	+27°551	-4°351	-5	m	...	...	+42°813	-49°961	0°70	...	...
...	14°506	+6°164	-5	m	...	...	27°586	-43°300	-5	m	...	...	43°329	+20°819	-5	m	...
...	14°742	-7°005	0°75	...	...	...	27°658	+39°786	0°70	...	...	...	43°344	-13°236	-5	m	...
...	14°814	-4°166	-5	m	...	...	27°844	-23°685	0°85	...	...	...	43°708	+27°524	-4	m	...
...	15°407	+53°830	-5	m	...	*	28°129	-46°436	1°15	47. 517	9°4	†	43°813	-29°654	0°70	...	...
291	+16°064	+36°995	-5	m	...	351	+28°190	+11°791	1°70	46. 518	8°4	411	+43°860	-36°130	-5	m	...
*	16°081	-52°873	1°30	47. 513	9°4	*	28°233	-1°485	0°90	47. 516	9°7	...	43°927	-24°393	-5	m	...
‡	16°783	-19°658	1°00	47. 514	9°8	...	28°642	+15°485	0°70	...	...	...	43°939	+45°730	-5	m	...
...	17°085	-53°396	-5	m	...	...	28°813	+19°713	-5	m	...	...	44°232	+3°652	-1	...	...
...	17°191	+46°169	0°65	b	...	...	29°239	-6°986	-5	m	...	*	44°490	+12°295	0°95	...	...
...	+17°560	+45°536	-5	m	...	...	+29°413	+37°452	-3	...	...	...	+44°526	+1°124	-5	m	...
...	17°569	+20°428	-5	m	...	*	30°124	+1°451	0°95	...	...	...	45°051	-28°906	0°85	...	...
...	17°592	-41°953	0°75	...	...	...	30°255	-16°226	-5	m	...	...	45°522	+18°798	-5	...	...
...	17°670	-39°118	-4	m	...	S *	30°261	-45°083	1°70	47. 518	8°3	...	45°553	-42°935	-5	m	...
...	17°688	+15°771	-5	m	...	...	30°439	-10°311	0°70	...	...	...	45°918	-51°725	0°85	...	...
301	+17°907	+34°899	-5	m	...	361	...	...	...	...	...	421	...	...	...	...	...
*	18°025	+27°507	0°85	...	...	...	+30°743	+13°937	-5	m	...	...	+46°373	+47°185	-5	m	...
...	18°039	+34°401	0°65	...	...	...	30°912	+26°001	0°75	...	...	...	46°455	-1°991	-4	m	...
...	18°191	-16°996	-4	m	...	*	30°977	+50°402	0°70	...	...	...	46°505	-39°324	0°95	...	...
...	18°250	+37°367	-5	m	...	*	31°158	-18°441	1°15	47. 519	9°6	S *	46°533	+19°913	1°70	46. 524	8°4
...	+18°611	-36°829	-5	m	...	*	31°598	+26°533	1°40	46. 519	8°8	...	46°852	-8°976	-5	m	...
...	18°736	+49°798	0°70	...	...	†	+31°650	+33°957	1°05	46. 520	9°9	...	+46°958	+26°950	-5	m	...
*	18°749	+9°100	0°80	...	...	...	32°039	+40°129	-4	m	...	...	47°059	-55°584	1°00	47. 522	9°9
...	18°981	-58°487	-5	m	...	...	32°040	-18°343	0°65	...	...	...	47°103	-14°087	0°75	...	...
...	19°086	-58°430	0°70	...	...	...	32°186	-24°258	-5	m	...	...	47°303	-25°813	-1	e	...
311	+19°313	-20°591	-4	m	...	371	...	...	...	...	...	431	...	...	...	...	...
*	19°371	+23°524	1°10	46. 516	9°4	...	+33°156	+18°466	0°70	...	...	...	+48°615	-22°365	-5	m	...
*	19°985	-2°227	1°00	47. 515	9°7	...	33°414	-43°014	0°85	...	...	...	48°844	-24°614	-5	m	...
...	20°565	+1°536	-5	m	...	...	33°434	-45°756	-4	...	...	...	49°383	-22°583	0°65	...	...
...	20°617	+49°630	-4	m	...	...	33°827	+45°840	-5	m	...	...	49°390	-30°276	-1	e	...
...	+20°712	-2°837	-5	m	...	...	33°832	-40°125	-5	m	...	...	49°584	-41°862	-5	m	...
...	21°067	+21°110	0°85	...	...	...	+33°846	-13°026	-3	...	...	...	+49°856	-42°299	-5	m	...
...	21°165	+31°207	-5	m	...	...	33°984	-53°525	-3	...	...	*	50°065	+51°144	1°20	46. 525	9°9
*	21°232	+40°453	1°00	46. 517	9°9	*	34°296	-41°426	-5	m	...	...	50°118	+40°940	0°75	...	...
...	21°455	-35°305	0°70	...	...	S *	34°986	+54°932	2°00	46. 521	8°0	...	50°213	-7°918	-5	m	...
321	+21°549	+35°323	-4	m	...	381	...	...	...	...	...	441	...	...	...	...	...
...	21°565	+22°869	-5	m	...	...	+35°393	+8°286	0°85	...	...	...	+51°111	-26°957	-5	m	...
...	21°916	+57°796	-4	m	...	...	35°597	+18°741	-5	m	...	...	51°213	+54°466	-5	m	...
...	21°924	-12°936	-5	m	...	...	36°060	-35°854	0°85	...	...	...	51°669	+3°881	-5	m	...
...	21°941	+59°265	-5	m	...	S *	36°178	-23°719	-5	m	...	*	51°832	-34°329	1°10	...	...
*	+22°476	-1°323	0°80	...	...	...	36°240	+49°780	1°50	46. 522	8°6	...	52°589	-10°022	-4	m	...
...	22°507	-16°626	-3	a	...	...	+36°530	+3°375	0°75	...	...	...	+52°726	+21°320	-5	m	...
...	22°557	-7°045	0°70	...	...	S †	37°314	+58°456	1°10	46. 523	9°8	...	52°882	+1°970	-5	m	...
...	22°986	-54°207	-4	m	...	...	37°426	-14°751	1°30	47. 521	8°8	...	53°151	-48°714	-3	m	...
...	23°037	-5°928	-5	m	...	*	37°458	+42°271	-3	...	...	...	53°251	+57°051	0°70	...	...
...	37°498	+17°745	0°85	...	...	*	37°745	+17°745	0°85	...	...	...	53°390	-44°275	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
451-460																		
451	,	,	,				461	,	,				471	,	,			
*	+53°430	-3°418	1°10	47° 523	9°9	*	+56°515	+9°463	1°00	471	,	,			
...	53°818	+7°292	-5	m	56°599	+7°710	-5	m	+59°402	+41°382	-5	m	...
...	53°977	+6°781	-5	m	...	...	57°611	-0°320	-4	m	...	...				
...	54°331	-7°358	0°75	...	...	*	57°624	-19°052	0°90	...	...	...			
*	54°568	-53°586	1°60	47° 524	8°8	...	58°050	+31°864	-5	m	...	...				
...	+55°611	+34°366	0°85	...	...	...	+58°400	-23°880	0°85	...	...	...			
...	55°861	+29°209	0°70	...	...	...	58°939	-20°111	0°65	...	...	...			
...	55°998	-38°857	-5	e	...	...	59°260	-10°640	-4	e	...	...				
...	56°012	-9°968	-5	m	...	...	59°331	-8°198	-2	...	...	...			
...	56°225	+12°021	-5	m	...	...	59°401	+7°111	0°90	...	...	...			

1-40					41-80					81-120							
I	S *				41	S *				81	S *						
...	-59.332	-31.670	0.70	o	...	...	...	-41.307	-59.250	-5	...	-23.153	+12.561	-5	o
...	58.221	+12.089	0.80	...	...	S *	40.661	+32.769	1.20	46. 526	8.8	21.806	+28.450	-3	...
...	58.215	+3.442	-4	...	...	...	40.337	+21.148	0.70	...	...	21.360	+3.032	-5	M
...	57.943	-50.206	-5	...	...	...	40.313	-22.604	0.80	...	...	20.779	-37.778	-1	...
...	57.559	-29.849	-1	...	...	...	40.309	+31.693	0.65	...	...	20.726	+45.436	-5	...
S *	-56.409	+19.755	1.70	46. 524	8.4	*	-40.261	+6.305	1.05	46. 527	9.6	...	-20.636	-44.263	-5	M	
...	56.346	-29.069	-2	S *	38.958	-43.709	1.50	47. 525	8.6	S *	20.450	-55.657	1.40	47. 529	8.8
...	54.766	-14.204	0.70	38.164	+57.023	-5	M	...	19.829	+49.879	0.70	46. 529	9.9	
...	54.757	-51.871	-5	38.107	+15.652	-5	M	...	19.130	-20.850	1.00	47. 530	9.7	
...	54.556	-39.440	0.70	...	...	...	37.793	-34.207	-5	...	...	19.058	-32.888	-4	...
II						51					91						
...	-54.415	-30.818	-5	M	...	...	-37.706	+26.569	-3	...	...	-18.498	+57.679	-3	...
...	54.218	-25.904	-5	E	...	...	37.669	-28.033	0.85	...	...	18.180	+38.620	-2	...
...	53.891	+51.098	0.85	46. 525	9.9	...	36.852	-58.987	0.85	48. 584	10.4	...	17.742	-53.329	-4	...	
...	53.583	-12.019	-5	E	...	...	36.029	+12.141	-5	...	...	17.310	-33.150	-4	...
...	53.511	-55.678	0.70	47. 522	9.9	...	35.666	+39.401	0.70	16.248	+53.679	0.90	46. 530	9.9	
...	53.504	+40.898	-4	...	...	...	-35.592	-46.273	-3	...	...	-15.854	+50.923	-3	...
...	52.222	-22.616	-5	...	...	...	35.528	+39.315	-4	...	...	14.580	+15.984	-5	...
...	51.963	-30.311	-5	E	...	*	35.051	-54.018	1.30	47. 526	9.8	...	13.724	+43.706	-4	...	
...	50.874	+57.086	-4	34.955	+2.722	-5	M	...	13.446	-31.101	0.80	47. 531	9.9	
...	50.394	-52.940	-1	33.279	+16.266	0.70	12.614	+31.596	1.00	46. 531	9.4	
21						61					101						
...	-49.416	-34.282	0.90	...	...	...	-32.847	-55.179	-5	M	...	-12.364	+42.227	-3	...
*	48.793	-3.334	1.05	47. 523	9.9	...	32.362	-11.900	-4	...	...	11.956	-39.734	-5	M
...	48.243	-57.779	-5	M	31.462	+40.969	-5	M	...	10.796	+15.425	1.00	46. 532	9.3	
...	47.815	+34.488	0.70	31.438	-27.082	-5	M	...	10.703	-28.367	1.10	47. 532	9.3	
...	47.766	-7.235	0.65	...	...	...	31.394	-45.412	-5	M	...	10.557	-49.640	-2	...
...	47.520	-44.181	-5	...	...	...	-30.741	-4.176	-5	...	...	-9.866	+40.201	-3	...
...	47.399	+29.347	-5	*	30.570	-6.397	0.85	47. 527	9.8	...	8.834	-7.948	-4	...	
...	46.115	+9.637	0.85	...	...	...	29.068	-19.900	-5	M	...	8.692	-9.514	-1	...
*	46.055	-53.447	1.40	47. 524	8.8	...	29.016	-24.106	-5	M	...	8.599	-29.915	-5	M		
...	45.070	-38.671	-5	E	...	...	27.591	-25.768	-1	...	...	8.314	-22.396	-5	...
31						71					111						
...	-44.121	-18.835	0.70	...	...	...	-27.562	+33.793	-5	...	...	-7.108	+29.715	-3	...
...	43.282	-23.016	-5	M	...	...	27.101	-28.412	-4	...	...	5.784	-39.896	-4	...
...	43.171	+7.372	0.70	...	...	...	27.101	-28.465	-4	...	...	2.098	-17.529	-3	...
...	43.162	-23.634	0.65	25.227	-22.414	-2	N	2.975	-48.933	-3	...	
+	42.758	-19.838	-4	...	...	...	25.006	+33.229	-4	...	...	2.565	+24.485	-4	m
...	42.739	-10.373	-5	E	...	...	-24.838	-8.530	-3	...	...	-1.351	+2.713	-3	m
...	42.730	-7.918	0.65	...	...	...	24.659	-1.557	-4	...	...	0.243	-49.288	-5	...
...	42.329	+38.967	-5	*	24.191	+22.792	0.95	46. 528	9.7	S *	0.202	+6.906	1.15	46. 533	9.0
...	41.777	-24.615	-5	...	...	+	24.035	-44.714	-5	...	...	-0.028	+1.062	-5	M m
...	41.561	-8.108	0.65	S +	23.298	-14.873	1.00	47. 528	9.2	+	0.026	+6.201	-3	m	

NM measured from 1, 121.

C " " 68, 192.

114. Mass. $48^{\circ} \cdot 31$, $48^{\circ} \cdot 32$, two stars.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	
121-180																					
121	+ 0°291	-12°506	-5	M m	...	181	+26°459	-7°873	1°60	47° 537	8°4	241	+51°903	-58°197	-3	47° 547	9°9				
...	+ 0°317	-53°333	0°90	26°768	+45°255	0°70	*	52°929	-21°089	1°00	47° 548	9°6				
S *	0°347	+35°910	1°50	46° 534	8°4	...	27°128	+53°679	-5	m	53°080	-43°694	-5				
...	0°776	+13°241	0°85	46° 535	9°9	α *	27°265	+ 0°299	1°00	47° 538	9°3	*	54°841	+12°659	0°95	46° 546	9°8				
...	1°297	+28°306	-5	m	...	...	27°311	-43°432	0°80	...	...	...	56°266	+42°198	-5	e	...			
*	+ 1°588	+46°467	1°15	46° 536	9°2	...	+27°689	+ 7°075	0°80	...	...	...	+57°196	+29°832	-5	m	...			
...	2°257	+49°141	-5	m	...	...	27°865	-31°225	-5	...	...	...	57°499	-10°271	-3	...	...		
...	2°259	-41°152	-1	...	...	...	27°957	-11°659	0°80	47° 539	9°9	...	57°794	+40°352	-4	...	...		
...	2°346	+47°681	0°90	...	...	S *	28°033	+37°409	1°20	46° 540	8°8	...	57°840	-14°318	-5	...	...		
...	3°028	-14°953	-5	M m	...	...	29°712	-13°527	0°80	47° 540	9°9	...	58°880	+12°802	-5	...	...		
131	+ 4°468	+44°342	-5	M m	...	191	+29°811	-54°341	0°75	251	S *	+59°885	+21°063	1°20	46° 547	8°8			
...	5°022	-28°406	0°65	M	...	...	31°127	+50°641	-5	m	...									
...	5°368	+31°281	-5	M m	...	...	31°441	-57°335	-5	...	...								
...	6°543	-29°102	-5	...	...	...	32°086	-28°896	1°00	47° 541	9°3									
...	7°057	-12°845	-5	...	...	...	32°127	-28°748	0°70	...	...								
...	+ 7°177	-46°183	0°70	...	...	...	+32°585	-44°212	-3	...	...								
...	8°455	+ 1°722	-5	M m	...	...	32°725	+ 7°131	-4	m	...									
...	8°472	-20°394	-1	...	...	...	33°552	- 6°025	1°00	47° 542	9°4									
...	9°318	- 9°578	0°70	...	...	...	34°786	+ 6°882	1°00	46° 542	9°0									
...	9°527	+58°157	-3	...	...	...	35°319	+54°605	1°10	46° 541	9°4									
141	+ 9°856	-51°011	0°80	...	...	201	+35°700	+40°376	-3	...	...								
...	9°912	+30°648	-5	m	...	...	36°601	-20°984	0°70	...	...								
...	10°123	+33°036	0°75	...	...	...	37°182	-26°417	-3	...	...								
...	10°230	-48°379	-3	...	...	...	37°696	+29°613	0°80	...	...								
*	10°523	+34°113	1°00	46° 537	9°4	...	38°607	+21°607	-5	m	...										
...	+11°664	+30°241	-5	m	...	...	+38°816	+56°063	-1	...	...								
...	13°912	+27°943	-4	m	...	...	38°913	+ 8°719	0°65	...	...								
...	13°948	- 2°199	0°80	47° 533	9°9	...	39°065	- 0°170	-3	...	...								
...	14°358	+30°548	-5	m	...	...	39°291	+10°805	-3	...	...								
...	14°374	+53°987	0°70	...	...	...	39°569	+13°208	-2	...	...								
151	+14°672	-50°541	-5	m	...	211	+39°639	-20°991	0°65	...	...								
...	15°310	+28°072	0°70	...	...	...	39°702	+56°301	0°85	46° 543	9°7									
...	15°523	+34°749	-5	m	...	...	40°010	+41°436	-2	...	...								
...	16°009	- 7°349	-5	m	...	...	41°784	-31°192	-5	...	...								
...	16°267	- 6°096	-4	...	...	...	41°830	+31°427	-5	m	...									
...	+16°447	+49°345	0°85	46° 538	9°9	S *	+42°356	-21°488	-5	m	...										
...	16°449	+30°090	-4	m	...	...	42°861	-23°918	1°90	47° 543	7°6									
...	16°662	-11°414	0°70	...	...	...	43°172	-25°893	-5	m	...									
...	17°026	+27°866	-4	m	...	...	43°950	+33°714	0°65	...	...								
...	17°156	-36°543	0°80	...	...	...	44°889	-43°407	0°65	...	...								
161	+17°732	+40°532	-5	m	...	221	+45°005	-17°515	-5	...	...								
...	17°987	+11°504	0°80	...	...	...	45°198	+24°564	-5	e	...									
...	18°301	-56°802	-3	...	...	...	45°264	- 3°459	-3	...	...								
...	18°714	+24°741	0°70	...	...	...	45°615	- 3°399	1°00	47° 544	9°4									
...	19°690	+33°131	-4	m	...	...	45°940	+17°712	-2	...	...								
...	+20°232	- 3°855	-4	...	...	...	+46°068	+50°221	-4	...	...								
...	20°476	+46°919	0°75	...	...	...	46°208	+11°663	-3	...	...								
...	21°725	- 0°217	-4	b	...	...	46°246	+ 1°802	-5	m	...									
...	22°001	-58°752	1°10	48° 604	10°4	†	46°979	-54°791	-5	...	...								
...	22°491	-10°513	0°80	47° 534	9°9	*	47°462	+26°474	1°10	46° 544	9°3										
171	+22°545	- 4°050	-5	m	...	231	+48°475	+27°959	-1	...	...								
*	22°689	+11°875	1°60	46° 539	8°8	...	48°879	-25°508	-5	...	...								
*	22°745	-11°360	1°10	47° 535	9°0	...	49°077	-55°182	-3	47° 546	9°9										
...	22°867	-39°202	-4	...	...	...	49°205	- 1°339	-5	...	...								
...	22°975	+40°307	-5	m	...	...	49°211	+55°788	-5	m	...									
S *	+23°265	-33°106	1°00	47° 536	9°0	*	+49°441	-29°436	1°20	47° 545	8°8										
...	23°360	+51°920	-5	m	...	...	50°603	-24°891	-5	e	...									
...	23°772	+25°645	0°80	...	...	*	50°815	+36°434	1°00	46° 545	9°6									
...	25°519	+56°600	-5	m	...	...	50°820	+11°802	-5	e	...									
...	25°765	-51°239	-5	...	...	...	50°915	+34°681	-5	e	...									

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1-60																	
I	-59.547	-31.470	-5	o	...	61	-28.940	-41.839	0.75	...	...	121	+ 0.576	- 0.975	-5	M m	...
...	59.453	+33.469	-3	...	...	S *	28.908	-18.624	1.80	47. 550	8.2	...	1.907	-33.830	-3	...	...
S *	58.686	-24.176	2.20	47. 543	7.6	...	28.732	-35.504	0.80	...	...	...	3.015	+ 0.725	-4	M	...
...	57.947	+17.545	-3	...	...	...	27.956	+ 2.297	0.70	...	...	...	3.275	-11.105	-3	...	...
...	57.904	+24.366	-5	E	...	...	27.146	+33.880	0.80	...	...	...	4.186	-59.563	-5	M m	...
...	-57.865	+50.054	-4	...	...	...	27.082	-54.322	-5	...	...	S *	+ 4.591	-29.132	1.80	47. 562	8.3
...	56.947	-3.635	-4	...	...	...	26.919	-15.109	0.80	...	...	S *	5.370	+37.157	1.20	46. 555	8.8
...	56.753	-17.709	-5	...	...	...	25.827	-20.850	-5	M	...	*	5.645	+ 7.351	1.00	46. 557	9.4
*	56.583	-3.574	1.05	47. 544	9.4	...	25.778	+55.539	-5	M	...	...	5.784	+57.427	-5	M	...
...	56.484	+11.519	-3	...	...	...	25.311	+37.357	0.70	...	...	...	5.823	+55.581	0.90	46. 556	9.9
II	-56.047	-43.595	-3	...	...	71	-24.866	-16.165	0.80	...	...	131	+ 6.344	-17.840	-4	...	...
*	55.696	+26.347	1.10	46. 544	9.3	...	24.249	-20.850	-3	...	...	...	6.548	+22.708	-4	...	...
...	54.745	+27.860	-3	...	...	...	22.542	-34.680	0.65	...	...	...	8.384	+23.021	-4	...	...
...	54.465	-35.319	-5	M	...	...	21.947	-59.265	0.90	48. 622	10.4	...	9.463	+52.264	-1	...	...
...	53.586	-54.929	-5	...	...	...	21.781	+35.559	-5	M	...	...	10.727	-10.087	-5	m	...
...	53.080	-1.396	-5	...	...	...	21.558	-16.782	-5	M	...	...	+11.203	-25.747	-3	...	...
*	52.662	+36.410	1.00	46. 545	9.6	...	21.384	-9.460	-5	M	...	...	11.672	+41.441	-5	...	...
...	52.634	-25.570	-5	...	...	...	20.204	-14.339	-5	M	...	...	11.713	-27.583	0.80	47. 563	9.9
...	52.504	+34.654	-5	E	...	...	19.455	+58.241	-5	M	...	...	12.111	+57.311	-3	...	...
*	51.945	-29.481	1.20	47. 545	8.8	...	18.937	-45.141	-4	...	...	...	12.806	-58.434	-5	...	...
21	-51.894	+11.785	-5	E	...	81	-18.478	+45.215	-5	M	...	141	+13.010	+56.531	-3	...	...
...	51.489	-55.234	-3	47. 546	9.9	...	18.006	+42.791	0.80	46. 551	9.9	...	13.082	+ 4.719	-5	...	...
...	50.923	-24.903	-4	E	...	...	17.842	+22.920	-4	...	...	...	13.806	+18.467	-5	...	...
*	48.715	-21.023	1.00	47. 548	9.6	...	17.442	-34.344	-5	...	...	...	14.364	-36.781	-5	m	...
...	48.562	-58.156	-3	47. 547	9.9	S †	17.141	-34.750	1.70	47. 552	8.0	...	14.370	+13.063	-5	m	...
...	-47.897	+12.781	0.85	46. 546	9.8	...	16.684	+ 1.096	-5	M	...	...	+14.759	+50.189	1.00	46. 558	9.7
...	47.856	-43.606	-5	...	...	...	15.772	+40.056	0.80	...	...	...	15.083	-15.425	-4	...	...
...	47.411	+42.331	-5	E	...	...	15.029	-20.510	0.75	...	...	...	15.429	+43.160	-4	...	...
...	46.251	-13.209	-5	...	...	...	14.661	-2.515	0.65	...	...	...	15.463	+ 4.777	-5	...	...
...	45.831	+40.534	-3	...	...	...	14.241	+43.522	-5	M	...	...	16.085	+ 8.185	0.85	46. 559	9.9
31	-44.509	-10.060	0.70	...	...	91	-14.035	+41.873	-5	M	...	151	+16.388	+ 2.440	0.65	...	...
...	44.033	-14.098	-4	...	...	...	14.020	-23.627	-5	M	...	...	16.506	+32.568	-3	...	...
...	43.864	+13.041	-4	...	...	...	13.460	-11.461	-5	M	...	...	17.409	+15.379	-3	...	...
...	43.607	-39.990	-5	...	...	...	13.370	+46.918	0.65	...	...	...	17.610	+50.164	0.80	46. 560	9.9
S *	43.118	+53.037	0.95	46. 548	9.8	S *	13.113	-9.937	0.80	47. 553	9.9	...	17.633	+19.457	-3	...	...
...	-43.118	+21.333	1.20	46. 547	8.8	...	12.832	+58.634	3.00	46. 552	7.1	...	+19.021	+48.529	-1	...	...
...	42.321	+17.584	-1	...	...	...	12.370	-16.176	0.80	...	...	...	21.583	-1.698	0.95	47. 564	9.7
...	42.284	+52.458	-5	M	...	...	11.878	-17.708	1.00	47. 554	9.7	...	22.115	+30.324	-3	...	...
...	42.122	+54.116	-3	...	...	...	11.009	-2.396	1.60	47. 555	8.6	...	22.179	+ 4.724	-3	...	...
...	41.265	+26.747	-5	M	...	...	10.963	+12.142	0.70	...	...	S *	22.877	- 9.006	2.00	47. 565	8.0
41	-41.115	+38.773	-4	...	...	101	-10.895	-30.746	0.65	...	...	161	+23.364	-32.890	-5	...	...
...	40.494	+ 6.560	-5	M	...	...	10.757	-55.030	-5	M	...	...	23.377	-7.392	-4	...	...
...	39.627	+19.384	-5	M	...	...	10.706	-39.726	0.80	...	...	...	24.289	+44.799	-3	...	...
...	38.691	+27.287	-5	M	...	...	* 10.385	+28.765	1.00	46. 553	9.6	...	24.348	- 1.229	0.95	47. 561	9.8
...	38.205	+37.800	-5	M	...	...	* 9.734	-24.860	0.70	...	...	...	24.712	+ 2.381	-5	...	...
...	-38.163	+33.892	-5	M	...	...	- 9.229	-20.188	1.30	47. 556	9.0	...	+25.139	+46.697	1.00	46. 561	9.8
...	37.070	+55.668	-3	...	...	...	8.113	+ 8.821	-5	M	...	...	25.997	-34.301	-4	...	...
...	37.042	+ 1.754	-3	...	...	...	6.964	-25.735	1.00	47. 557	9.4	...	26.202	-20.461	-4	...	...
...	34.891	+ 9.171	-4	A	...	...	6.721	-49.582	1.00	47. 558	9.8	*	26.279	+ 20.119	1.40	46. 562	8.3
...	34.424	- 6.842	-3	...	...	...	6.272	+54.398	-2	...	...	...	26.624	+ 0.308	-5	...	...
51	-32.376	-38.092	-3	...	...	111	- 5.750	+47.606	0.95	46. 554	9.9	...	+26.719	-28.920	-3	...	...
...	32.166	+10.145	-3	...	...	...	3.716	+49.259	-5	M m	...	...	26.985	+38.943	-3	...	...
...	31.887	+27.302	-1	M	...	...	1.949	-24.168	-5	M m	...	...	27.732	-32.528	-3	...	...
...	31.141	-43.448	-	...	...	...	1.716	+ 7.561	-5	M	...	S *	28.045	-37.056	1.60	47. 567	8.0
...	30.926	+45.031	0.70	...	...	...	1.350	+32.235	-5	M	...	...	28.479	+ 8.122	-3	...	...
*	-30.713	+55.425	1.05	46. 549	9.4	*	- 1.019	- 5.974	1.00	47. 559	9.4	...	+29.650	- 7.286	0.80	47. 568	9.9
...	30.447	-42.324	-5	...	...	...	0.446	- 1.153	-5	M	...	*	30.809	+44.905	-4	...	...
+	30.036	+43.515	-2	...	...	...	0.443	-26.399	1.00	47. 560	9.7	*	30.817	+29.742	0.90	46. 563	9.9
...	29.675	-43.503	0.75	...	...	...	- 0.428	-29.658	0.70	...	...	*	31.480	+53.303	1.20	46. 564	9.3
...	29.280	-18.176	0.85	47. 549	9.9	...	+ 0.520	-33.521	0.75	47. 561	9.9	...	31.577	+ 4.649	0.85	46. 565	9.8

C measured from 1, 120.
 NM " 59. 177.
 C.P.D. 47° 551. Variable; too faint.

-47°

No. 32

CAPE ASTROGRAPHIC ZONE.

1902·94

5^h 15^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	...	No.	Mag.
181-220																	
181	+31·715	+32·115	0·65	o	...	...	221	+50·675	+14·340	0·95	46· 572	9·8					
...	32·029	+16·893	0·75	...	...	...	...	50·776	-23·274	0·65	...	...			
...	32·038	-50·262	-5	...	...	...	...	50·921	+11·521	0·65	...	...			
S *	32·289	+15·077	1·50	46· 566	8·6	...	...	51·323	+22·655	0·65	...	...			
...	32·454	+16·139	0·65	...	...	...	...	52·095	-45·883	-5	e	...					
...	+32·550	-1·196	-4	...	...	...	...	+52·137	-55·185	-5	...	...			
...	32·626	+35·031	0·70	...	...	...	...	52·342	+11·488	-5	...	...			
*	32·640	+35·843	1·00	46· 567	9·6	...	...	52·530	-20·267	-5	...	...			
...	33·824	+19·795	0·75	...	...	...	...	52·638	+19·409	-1	...	...			
*	33·862	+47·631	0·90	46· 568	9·9	...	...	52·677	+56·528	1·20	46· 573	9·9					
191							231										
S *	+35·410	-51·352	1·40	47· 569	8·8	...	+52·851	+33·964	-4	...	...				
...	35·883	+11·083	0·65	...	...	...	53·527	+1·437	-4	...	...				
...	36·410	-30·564	-4	...	...	...	53·621	+1·300	0·70	...	...				
*	36·754	+37·234	1·90	46· 569	8·3	...	53·789	-16·116	0·65	...	...				
...	37·007	+16·852	-5	...	...	...	53·818	-5·627	-1	...	...				
...	+37·898	-3·820	-5	m	...	...	+53·902	-17·053	0·85	...	...				
...	38·255	-51·860	-5	m	...	...	55·335	-29·399	0·70	...	...				
...	38·721	+39·173	-5	...	...	...	56·161	+46·469	-5	...	...				
...	39·923	-29·701	0·70	...	...	...	56·959	+27·476	-5	...	...				
*	40·576	-44·767	1·20	47· 570	9·4	...	58·573	-38·035	-1	...	...				
201							241										
*	+40·750	-48·688	1·10	47· 571	9·9	...	+58·626	+13·989	0·70	...	...				
...	40·777	-20·319	0·80	...	...	...	58·706	-46·286	-1	...	...				
...	40·918	+42·414	0·70	...	...	*	58·734	+26·609	1·00	46· 574	10·2						
...	43·163	-52·366	-5	...	...	...	58·907	-32·470	-5	m	...						
...	43·774	-4·457	0·75	...	...										
S +	+44·010	+13·898	0·75	...	...										
*	44·881	+37·187	1·40	46· 570	8·8												
*	45·366	-8·906	1·30	47· 572	9·4												
...	45·381	-27·068	-5	e	...												
...	45·527	+1·851	-5	...	...										
211																	
...	+45·708	-11·091	-5	...	...										
...	46·380	+23·047	0·65	...	...										
...	47·331	+4·221	-5	...	...										
†	47·460	-34·931	0·70	...	...										
*	47·760	+27·596	1·10	46· 571	9·4												
...	+48·088	+3·834	-4	...	...										
...	48·613	+5·116	0·70	...	...										
...	49·154	+18·663	0·80	...	...										
*	49·297	-21·757	1·00	47· 573	9·9												
...	49·486	-21·682	0·80	...	...										

-47°

No. 33

D.-1

1903·03

5^h 25^m

1-10					11-20					21-30							
I					II					21							
...	-59·272	-55·509	-5	M	...	*	-56·671	-9·084	1·50	47· 572	9·4	...	-54·381	+56·751	-5	...	...
...	59·238	+26·096	-5	...	...	...	56·273	-4·356	-5	M	...	...	54·359	+3·740	0·65	...	...
...	58·764	+13·655	0·90	...	...	...	56·263	-11·259	0·70	...	...	...	54·239	+24·934	0·65	...	...
...	58·761	-47·900	-5	M	...	...	56·243	-41·379	-5	M	...	...	53·884	+5·049	0·85	...	...
S *	58·617	+36·967	1·70	46· 570	8·8	...	56·066	+37·169	-5	...	...	*	53·768	+18·593	1·00	...	...
*	-58·410	-4·669	0·90	...	...	...	-56·059	-27·230	-5	E	...	*	-53·750	-35·025	1·05	...	...
...	57·953	+52·447	-5	...	...	*	55·426	+27·477	1·10	46· 571	9·4	...	53·240	-31·366	-5	M	...
...	57·497	-52·617	-5	...	...	...	55·103	+4·105	-1	...	...	...	52·984	+29·860	0·65	...	...
...	56·861	+1·665	-5	...	...	...	54·807	+7·293	-5	M	...	...	52·893	-54·965	-5	M	...
...	56·704	+22·885	0·70	...	...	...	54·506	+25·286	-5	...	...	...	52·770	+30·212	-4	...	...

N.M. measured from I, 14³, 279, 427.
C. " " 75, 220, 356, 494.

5^h 25^m

42

-47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
31-90															91-150			
31	-52·334	-21·811	1·20	47.	573	9·9	91	-41·110	+30·866	-1	0	...	...	151	-28·992	+21·810	-5
*	52·150	-21·724	1·00	...	...	...	...	41·109	+6·240	0·70	...	...	...	...	28·962	+33·256	-5
*	52·117	+14·318	1·05	46.	572	9·8	...	41·045	-47·712	-5	M	...	...	...	28·859	+5·971	-5
...	51·908	+0·477	-5	M	...	...	*	40·781	+0·495	1·00	47.	575	10·2	...	28·393	+34·499	0·90
...	51·775	+11·521	0·80	...	...	...	*	40·529	-44·897	1·20	47.	574	9·8	*	28·111	-1·322	1·00
...	51·732	+22·654	0·80	...	...	...	*	40·453	+23·529	-2	...	...	...	*	-28·092	+4·229	0·80
...	51·719	-36·338	-5	M	...	...	*	40·203	-2·774	-5	M	...	...	...	28·039	+31·927	-4
...	51·657	-14·390	-5	M	...	...	*	40·049	+8·064	-5	...	...	...	...	28·010	+30·840	0·80
...	51·454	-47·890	-5	M	...	...	*	39·917	+32·144	1·00	46.	576	10·2	*	27·995	-13·640	1·00
*	51·440	+56·546	1·50	46.	573	9·9	...	39·751	+30·252	-4	...	...	...	...	27·748	-31·043	0·70
41	101															151-210		
...	-51·422	+22·642	-5	...	...	...	*	39·727	-49·288	-4	M	...	...	...	-27·671	+5·948	-4
...	51·408	-5·461	-5	M	...	...	*	39·682	+23·195	0·85	...	...	...	S *	27·656	-39·363	1·60
...	51·109	+2·334	-4	...	...	...	*	39·621	-42·811	1·20	47.	576	9·7	...	27·243	+18·243	-4
...	50·951	-1·086	-5	M	...	...	*	39·453	-54·541	-1	...	...	...	...	27·156	-50·458	0·90
...	50·822	-23·263	0·90	...	...	...	*	38·799	-16·726	0·65	...	...	...	...	26·789	-34·118	-5
...	50·556	+34·006	0·70	...	...	...	*	38·719	+23·608	-5	...	...	...	...	26·337	+30·370	-5
...	50·349	+11·544	-4	...	...	...	*	38·499	-7·081	-2	...	...	...	...	26·324	-20·024	-5
...	50·327	-51·319	-4	M	...	...	*	38·353	-27·373	-2	...	...	...	...	25·993	+19·356	0·70
...	50·309	+19·451	0·80	...	...	...	*	38·186	+4·201	-5	...	...	...	...	25·840	-19·137	-5
...	49·152	-20·201	0·70	...	...	...	*	37·881	+53·662	-4	...	...	...	...	25·821	-20·087	-5
51	111															171		
...	-49·127	-6·282	-5	M	...	...	*	37·639	+54·098	-2	...	...	...	...	-25·788	-53·764	-4
...	49·028	+3·615	-5	...	...	...	n *	37·516	+41·469	1·00	46.	577	10·2	...	25·147	+27·381	-4
...	48·833	+1·528	0·70	...	...	...	*	37·293	+29·398	-5	...	...	...	...	24·610	+19·129	-5
...	48·762	-45·830	-1	A	...	...	*	37·066	+41·376	1·10	46.	577	10·2	...	24·459	-43·352	0·65
...	48·755	+1·378	0·80	...	...	...	*	37·042	-13·625	-5	M	...	...	...	24·247	+3·368	-5
...	-48·617	-17·185	-5	E	...	...	S *	36·983	-25·993	2·10	47.	577	7·8	S *	-24·143	-10·974	2·20
...	48·429	-55·125	0·80	...	...	...	*	36·740	-34·977	-5	M	...	...	...	23·944	+12·210	1·00
...	48·335	-5·535	0·80	...	...	...	*	36·642	-45·609	-5	M	...	...	...	23·610	-37·390	-5
...	48·327	+5·988	0·65	...	...	...	*	36·462	+45·863	0·80	...	...	...	...	23·249	+33·165	1·00
...	48·055	-37·243	-4	M	...	...	*	36·437	+40·272	1·10	46.	578	10·2	...	23·247	+3·479	-5
61	121															181		
...	-48·037	-16·025	0·90	...	...	...	*	35·854	-32·248	-5	M	...	...	...	-23·245	+49·879	-5
*	47·889	-16·956	1·10	...	...	...	*	35·572	+23·980	0·75	...	...	...	...	23·192	+10·389	0·75
...	47·747	+17·130	-5	...	...	...	*	35·522	+13·038	-3	...	...	...	*	22·914	+0·532	0·85
...	47·661	+46·626	0·70	...	...	...	*	35·343	-51·865	-3	...	...	...	*	22·727	+11·584	0·95
...	47·617	+31·849	-5	...	...	...	*	35·095	+35·937	-4	...	...	...	...	22·240	+0·011	0·65
...	-47·380	-58·924	-5	...	...	...	*	34·912	-44·732	1·00	47.	578	10·2	...	-22·045	+23·240	-5
...	47·232	-47·880	-5	M	...	...	*	34·594	-14·931	0·85	...	...	...	...	21·844	+48·994	-4
...	46·926	+55·947	0·70	...	...	...	*	34·035	+46·017	-5	...	...	...	*	21·705	+10·875	0·90
...	46·230	+27·646	-3	...	...	...	*	33·995	+25·129	0·70	...	...	...	...	21·615	+40·430	-5
...	46·090	+14·088	-4	...	...	...	*	33·805	+7·250	-2	...	...	...	...	21·270	-55·836	0·90
71	131															191		
...	-46·049	-29·243	0·90	...	...	...	*	33·478	-27·606	-5	M	...	...	...	-21·036	+20·353	-5
...	45·401	-13·763	-5	M	...	...	*	32·698	-49·160	-5	M	...	...	...	20·866	-24·794	-5
...	45·347	-9·055	-5	M	...	...	*	32·160	-52·747	-3	...	...	...	...	20·714	-44·215	0·70
...	45·340	-19·660	-5	M	...	...	*	32·033	-13·196	-5	M	...	...	...	20·698	-24·349	0·80
*	44·434	+26·845	1·05	46.	574	10·2	*	31·981	-52·965	1·20	47.	579	9·9	...	20·558	-11·531	-5	
...	-44·284	+1·189	-5	M	...	...	*	31·899	-49·666	0·90	...	...	...	*	19·879	-57·901	0·70
...	44·189	-21·092	-4	M	...	...	*	31·718	+10·532	-5	M	...	...	...	19·813	-5·862	0·65
...	44·174	+1·785	-4	...	...	...	*	31·704	+27·925	0·75	...	...	...	...	19·444	+8·540	0·85
...	44·154	+14·211	0·90	...	...	...	*	31·701	+11·718	-5	...	...	...	...	18·649	-40·538	-5
...	43·548	+9·099	-5	...	...	...	*	31·509	+51·136	-5	...	...	...	...	18·317	+23·165	0·75
81	141															201		
...	-42·893	+38·477	-4	...	...	...	*	31·063	-40·450	-1	...	...	...	*	-18·162	-41·243	1·00
...	42·874	+54·815	-5	...	...	...	*	30·991	-58·237	0·80	...	...	...	...	18·018	-27·018	-5
...	42·556	-37·782	0·90	...	...	...	*	30·593	+48·486	-5	...	...	...	...	17·648	+54·609	-5
...	42·366	+12·761	-2	...	...	...	*	30·408	-32·434	-4	M	...	...	...	17·574	+35·736	-5
...	42·338	-48·947	-5	M	...	...	*	30·262	+23·585	-3	...	...	...	*	17·564	+25·396	0·95
...	-42·153	-46·009	0·90	...	...	...	*	30·119	+2·242	-2	...	...	...	...	-17·326	+36·426	0·85
...	42·034	+52·072	-4	...	...	...	*	30·114	+48·388	-3	...	...	...	...	17·109	-48·555	-5
...	41·992	+44·296	0·65	...	...	...	*	29·534	+27·052	1·00	...	...	...	*	16·938	-52·544	1·00
*	41·530	+4·862	1·30	46.	575	9·6	*	29·309	-30·636	1·05	47.	580	10·2	...	16·567	+50·320	0·75	
...	41·344	-26·977	-5	M	...	...	*	29·158	+49·734	-5	...	...	...	...	16·389	+54·484	-3

112, 114. C.P.D. place agrees with mean.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-ι.	No.	Mag.		x.	y.	-ι.	No.	Mag.		x.	y.	-ι.	No.	Mag.	
211-270																		
211	-16·373	-12·585	0·80	o		271	-2·725	-7·241	-4	Mm		331	+11·781	+48·994	0·65	o		
*	16·272	+49·528	1·00			...	2·704	-2·521	-4	Mm		...	12·192	+17·173	-5	m		
...	16·018	+18·110	0·65			...	2·295	-15·939	-5	Mm		...	12·272	-40·438	-5			
...	15·977	-46·527	0·90			...	2·002	-34·883	0·75			...	12·462	+44·875	0·95			
...	15·794	+0·328	-5	M		...	1·337	+24·060	-4	m		...	12·487	+12·047	-4			
...	-15·397	-14·480	-5	M		...	1·307	-10·553	-3	M		...	+12·637	-11·285	1·15	47· 589	10·2	
...	15·278	+9·950	-5	M		...	0·993	-52·704	-3			...	12·865	-32·915	0·65			
...	15·249	+30·796	0·70			...	0·867	+36·526	-5	Mm		...	12·932	+56·585	-5	m		
...	15·141	+50·659	0·70			...	+0·115	-42·933	-5	Mm		...	13·047	-52·538	-4			
†	14·856	+45·053	-5			*	0·293	-18·176	1·15	47· 583	9·8	...	13·211	-9·163	-5	m		
221	-14·762	-12·581	-5	M		281	+1·591	+1·051	-5	Mm		341	* +13·279	-55·287	1·60	47· 590	9·6	
...	14·214	-19·612	0·70			...	1·949	+41·367	-5	Mm		...	13·297	+26·147	0·70	a		
...	14·077	-10·827	-3			...	2·071	+51·669	0·80			...	13·309	+15·236	0·65			
*	14·033	+16·615	0·90			...	2·114	-2·867	-1	Mb		...	13·398	-34·631	-5	m		
...	13·620	-8·367	-5	M		*	2·182	-15·772	1·00	47· 584	10·2	...	13·452	-43·190	0·65			
...	-13·407	+7·339	-5	M		+	2·646	-3·317	-5	Mm		*	+13·574	-42·138	1·10	47· 591	10·2	
...	12·742	+37·432	0·80			...	2·831	-2·584	0·70			...	13·620	-45·804	-3			
...	11·939	+32·134	0·85			†	2·838	+25·058	-1	m		...	13·653	-51·591	0·70			
...	11·921	-34·533	0·70			...	2·874	+18·666	-5	Mm		...	13·746	-36·361	-5	m		
...	11·461	-45·403	0·70			...	2·876	+44·467	-4	m		...	13·786	-9·393	-5	m		
231	-11·453	+22·818	-5			291	+3·098	+16·432	0·70			351	* +13·803	-52·111	1·05			
...	11·361	+49·326	-5			...	3·099	+48·725	-5	Mm		...	13·804	+25·137	0·75			
...	11·253	-39·834	-3			*	3·317	+42·319	1·15	46· 582	9·7	...	14·007	-19·408	0·70			
...	10·965	-10·703	-4	M		...	4·031	+48·816	-5	m		...	14·368	+39·844	-5	m		
...	10·963	+8·769	0·85			...	4·212	+39·954	-5	Mm		...	14·527	+17·060	0·70			
...	-10·382	-18·074	-5	M		+	4·456	+34·853	-5	Mm		...	+14·957	-56·014	-5	m		
...	10·372	+13·402	-5			...	4·649	-24·276	0·75			...	15·153	-7·198	-5	m		
...	10·362	+25·029	-5			...	4·967	-52·045	-5	Mm		*	15·752	+21·166	1·00	46· 586	9·6	
†	10·065	-32·246	-1			...	5·233	-53·561	-4	Mm		...	15·771	+23·444	-3			
*	10·009	-12·316	0·90			...	5·482	-32·275	-1	M		...	15·989	+3·232	-5	m		
241	-9·548	+54·453	0·90			301	+5·850	+31·845	-3	m		361	+16·015	-48·291	-5	m		
...	9·181	+4·265	-5			...	6·292	+22·285	-5	Mm		...	16·046	-49·026	-5	m		
*	8·902	+36·858	1·00			*	6·572	-51·992	1·20	47· 585	10·2	...	16·231	+4·263	-5	m		
...	8·674	+43·030	-5			...	6·597	+30·599	0·80			...	16·382	-14·389	-4			
...	8·609	+13·100	-4			N	6·694	+28·371	-5	m		...	16·433	-8·454	-4			
...	-8·361	+27·549	0·70			N	+6·734	+28·410	-5	m		...	+17·822	-13·979	-5			
...	8·173	+31·443	-5	m		...	7·438	-37·800	-5	Mm		*	17·883	-35·490	1·15	47· 592	10·2	
...	8·018	-36·924	-4	Mm		...	7·877	+32·941	0·70			...	18·020	-41·642	-2			
...	7·941	-36·186	-4	Mm		...	7·909	+25·663	-4	m		...	18·079	-3·177	-4			
...	7·660	-36·805	-5	Mm		...	8·011	-23·801	-5	M		...	18·080	-13·165	-4			
251	-6·529	+32·601	-5	m		311	S *	+8·247	-17·856	1·05	47· 586	10·2	371	+18·205	+58·727	-4	m	
...	6·450	-44·035	-3			...	8·678	+31·606	-1			...	18·486	+36·400	-5	m		
...	6·440	-21·291	0·65			...	8·872	-46·049	-5	Mm		...	18·936	-39·864	-3			
...	6·398	+5·918	-4	Mm		*	8·949	-16·743	0·85			*	19·348	+48·195	0·95			
...	6·224	-18·912	0·65			*	9·159	-24·066	0·85			...	19·627	-54·347	0·65			
...	6·180	-40·804	-4	M		+	9·196	-59·054	-5	M		†	+19·893	+13·201	0·75			
...	6·062	+50·697	-4	m		*	9·504	-56·970	1·15	47· 587	10·2	...	19·905	-39·451	-4			
S *	5·922	+49·438	2·50	46· 581	8·0	*	9·516	+18·974	1·10	46· 583	10·2	*	20·138	+18·903	1·00	46· 587	10·2	
...	5·259	+39·918	-5	Mm		...	9·540	-12·237	0·70			*	20·460	+19·957	1·00	46· 588	10·0	
...	4·899	-43·922	-5	Mm		α +	9·976	+0·208	1·00	47· 588	10·2	...	20·591	+47·395	-4	m		
261	-4·656	+34·019	-5	Mm		321	+10·035	-52·498	-5			381	+20·630	-8·682	-5	m		
...	4·254	-3·814	-5	Mm		S *	10·145	+22·291	1·50	46· 584	9·0	*	21·083	-33·257	1·10	47· 594	10·2	
...	4·166	+45·853	-3			...	10·187	-50·323	-1			...	21·097	-56·642	-5	m		
...	4·031	+5·524	-2			...	10·234	+45·569	0·85			...	21·177	-55·570	0·75			
...	3·942	-25·276	-5	Mm		...	10·296	+44·746	0·80			SN*	21·260	-9·217	3·30	47· 593	6·9	
...	3·780	-5·096	-5	Mm		...	+10·651	-35·736	0·80			...	+21·428	+47·079	-2			
...	3·537	+7·074	-3			*	10·941	+26·893	1·10	46· 585	10·2	*	21·590	-26·176	0·90			
...	3·490	-20·651	-5	Mm		...	11·000	-34·670	0·80			...	22·465	+18·868	-5	m		
...	3·455	+1·810	-3			...	11·474	-0·526	-5	m		...	22·691	-50·283	-5	m		
...	3·167	+36·145	-5	Mm		...	11·597	-28·541	0·70			...	22·778	-41·107	0·65			

305, 306, 46° 33, no sign of duplicity.
385. Remeasure 1914, $y = -9' 229$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
391-450																	
391	+22.824	+41.808	0.70	o	...	451	* +36.391	-54.534	1.40	47. 600	10.0	511	* 48.693	-11.275	0.85	o	...
...	23.121	+54.108	-5	m	...	...	36.532	-19.461	-5	...	...	...	49.014	-20.286	-5	m	...
...	23.255	-11.134	-3	...	...	...	36.599	-3.615	0.75	...	...	...	49.070	-4.672	-4	...	...
...	23.344	-41.776	-5	m	...	...	36.616	-35.360	-5	m	...	...	50.033	-7.950	1.40	47. 605	9.4
...	23.436	+58.744	-5	m	...	...	36.677	+17.820	-5	m	...	...	50.059	-28.746	1.00	...	...
...	+23.493	+30.825	-3	...	...	...	+36.870	+22.333	-5	m	...	...	51.058	-23.788	-4	...	...
...	23.690	+53.113	-1	...	...	...	36.925	-52.152	-5	m	...	...	51.274	-50.981	-5	...	...
...	23.757	+43.334	-1	...	...	...	36.980	-42.400	-4	...	...	...	51.690	+0.569	-5	m	...
...	23.945	+29.838	0.65	...	...	...	37.099	-36.514	-5	...	...	...	51.713	+39.378	-4	...	...
...	23.987	-54.137	-5	m	...	†	37.173	+0.111	-4	m	...	...	52.389	-11.056	-3	...	...
401	+24.042	-20.977	-4	m	...	461	+37.233	+55.255	-5	...	...	521	+52.857	+2.865	-5	m	...
...	24.174	-15.339	-3	...	...	...	37.268	-40.954	-5	...	...	...	52.931	-45.854	2.80	47. 606	7.0
...	24.180	-9.245	0.90	...	...	...	37.299	+34.085	-5	m	...	...	53.065	+25.433	-4	m	...
...	24.267	+26.924	-5	...	...	...	37.419	+7.232	0.70	...	...	...	53.196	+34.034	-5	m	...
*	24.568	-9.086	4.00	47. 595	6.5	...	38.200	-33.751	-5	m	...	...	53.454	-46.616	1.40	47. 607	9.7
...	+24.935	+43.096	-3	...	...	S *	+38.474	+52.160	2.10	46. 590	8.9	...	+53.479	-52.828	-4	...	...
...	25.649	+51.491	-5	m	...	...	38.598	+19.117	0.90	...	...	...	53.522	+5.793	-4	...	...
...	26.523	+21.403	-4	...	...	+	39.200	+59.833	4.60	46. 591	7.5	...	53.621	+18.793	-4	...	...
...	26.692	-35.855	-4	m	...	...	39.254	-45.103	-5	m	...	...	53.674	+29.344	1.30	46. 593	9.6
*	26.846	+20.201	0.95	...	...	...	39.263	-58.729	-1	...	...	...	53.736	+32.458	-5	m	...
411	+26.906	-54.729	-1	...	...	471	+39.337	-48.615	-5	...	...	531	+53.778	+5.328	-5	m	...
...	27.003	+52.089	-5	m	...	...	39.627	+12.304	-1	...	...	...	53.869	+16.348	-1	...	...
...	27.290	+29.084	-5	m	...	...	39.842	-51.855	-5	...	...	...	54.258	-31.378	0.80	...	...
...	27.317	-41.442	-3	...	...	...	41.101	-54.848	-5	m	...	...	54.881	+48.875	1.15	46. 594	10.2
...	27.379	+45.474	0.90	...	...	...	41.104	-26.287	-5	m	...	...	54.938	-44.325	1.60	47. 608	8.8
...	+27.537	+0.321	-5	m	...	...	+41.299	-40.174	-4	m	...	...	+55.693	+2.382	-4	...	...
...	27.721	-32.144	-3	...	...	...	41.627	+1.166	-5	m	...	...	56.116	-16.631	1.30	47. 609	9.4
...	28.184	-10.696	-5	m	...	...	42.160	-30.112	-5	...	...	...	56.199	-38.969	-5	m	...
...	28.310	-50.311	-5	m	...	...	42.248	-18.512	0.70	...	...	...	56.404	+37.029	-5	...	...
*	28.386	-16.693	2.10	47. 596	8.4	...	42.306	-12.070	-1	...	...	...	57.106	-38.081	0.95	47. 611	10.2
421	+28.695	-31.979	0.70	...	...	481	+42.324	+29.372	-5	m	...	541	+57.146	-0.802	-5	m	...
...	28.934	+44.924	0.70	...	...	...	42.464	-29.021	0.65	...	...	...	57.146	-10.027	1.40	47. 610	9.4
...	29.581	+50.775	-5	m	...	...	42.894	+6.773	-3	m	...	...	57.282	+14.496	-2	...	...
...	29.581	-54.662	0.90	...	...	...	43.018	-30.024	0.70	...	...	...	57.310	-23.442	-4	...	...
...	29.642	-7.876	-5	m	...	...	43.165	-54.308	-5	m	...	...	57.705	-33.350	-4	...	...
+	+29.730	-16.048	0.95	...	...	...	+43.467	-53.210	-5	...	...	...	+59.039	-32.329	-5	e	...
*	30.441	-50.498	1.05	47. 597	10.2	...	43.541	+48.876	-5	m	...	...	...	...	...	...	...
+	30.836	+20.143	0.70	...	*	...	43.639	-17.066	1.00	47. 601	10.2	...	...	...	...	...	...
*	31.065	-30.305	1.00	47. 598	10.2	*	43.723	-17.389	1.30	47. 602	9.6	...	...	...	...	...	...
...	31.555	-24.111	-4	m	...	...	43.908	-13.236	-5	...	...	...	...	...	...	...	...
431	+31.599	+25.493	0.70	...	...	491	+43.967	-37.014	-3	...	...	...	...	...	...	...	...
...	31.944	-50.888	0.90	...	...	...	44.124	+41.309	-5	m	...	...	...	...	...	...	...
...	32.516	+53.961	-5	m	...	...	44.305	-5.470	0.90	...	...	...	...	...	...	...	...
...	32.672	+40.741	-5	m	...	...	44.867	-28.755	1.40	47. 603	9.0	...	...	...	...	...	...
...	32.729	+23.650	-4	m	...	...	45.091	+14.274	-4	m	...	...	...	...	...	...	...
...	+32.876	-50.422	-5	m	...	...	+45.218	+5.211	-4	...	...	...	...	...	...	...	...
...	32.932	+27.559	0.70	...	...	...	45.252	-14.388	-4	...	...	...	...	...	...	...	...
...	33.158	+3.952	0.75	...	...	...	45.549	+12.310	-3	...	...	...	...	...	...	...	...
*	33.712	+52.877	1.00	...	*	...	45.890	+21.893	1.00	...	...	...	...	...	...	...	...
...	33.726	+53.958	-5	m	...	...	45.958	-35.850	-5	m	...	...	...	...	...	...	...
441	+33.796	+36.927	-5	m	...	501	+46.015	+27.331	-3	...	...	...	...	...	...	...	...
S *	33.892	+19.447	1.20	46. 589	9.8	S *	46.915	-33.145	2.60	47. 604	7.8	...	...	...	...	...	...
...	33.927	-12.067	-5	m	...	...	47.145	-59.456	-5	...	...	...	...	...	...	...	...
...	34.324	-56.039	-5	m	...	...	47.318	+11.792	-5	m	...	...	...	...	...	...	...
...	35.235	+21.430	0.70	...	...	...	47.356	+30.990	-4	m	...	...	...	...	...	...	...
...	+35.446	+2.924	-5	m	...	*	+47.568	+59.839	1.20	46. 592	10.2	...	...	...	...	...	...
*	35.798	-22.304	1.30	47. 599	9.4	...	48.371	+6.085	-4	...	...	...	...	...	...	...	...
†	35.847	+25.095	0.75	...	...	...	48.468	-48.336	0.80	...	...	...	...	...	...	...	...
...	35.983	+5.736	0.75	...	...	...	48.501	+33.921	-3	...	...	...	...	...	...	...	...
...	36.356	-10.152	-5	...	...	...	48.516	-23.500	-5	m	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.			
1-60																				
I	—59°497	—18°775	—4	o	...	...	—34°114	—23°047	—5	o	...	...	121	—13°316	—19°121	1°05	47° 622	10°0
...	58°926	—29°286	—5	...	...	...	33°480	+32°895	—5	...	...	...	...	12°502	+0°741	—5	...	...
...	58°338	—30°264	—5	...	...	...	33°058	+ 5°449	0°75	...	...	...	...	11°753	+45°015	1°15	46° 604	9°2
...	58°148	—17°281	1°00	47° 601	10°2	...	32°601	—16°527	0°75	...	...	...	...	11°389	+16°852	0°95	46° 605	10°0
*	58°054	—17°608	1°20	47° 602	9°6	...	32°571	—55°883	—5	...	...	...	...	11°270	+31°546	—5	...	...
...	57°868	—5°674	0°90	...	...	...	32°386	+15°484	—5	M	...	...	...	11°249	+20°132	—5	...	...
...	57°204	+27°168	—4	...	...	...	32°139	—53°157	—1	...	...	...	...	10°917	+ 1°540	1°00	46° 606	10°2
...	57°199	+12°136	—5	...	...	...	31°903	—23°954	0°65	...	...	...	...	10°870	—24°074	—5	...	...
...	57°178	—37°228	—5	...	...	...	31°802	—28°451	0°90	...	...	...	...	10°575	—4°490	—2	...	...
...	57°137	+21°725	0°90	...	...	...	31°576	+15°467	—5	M	...	...	...	10°303	—5°112	—1	...	...
II	—56°679	+59°711	1°00	46° 592	10°2	*	—30°510	—23°938	1°40	47° 614	9°0	131	—9°777	—51°041	—3	
*	56°548	—28°930	1°40	47° 603	9°0	...	30°170	—55°985	—5	...	...	...	...	9°111	+57°294	—4	...	...
S *	54°928	+33°833	—5	...	...	*	29°567	+54°279	1°20	46° 596	9°9	...	...	8°682	+26°891	—5	...	...
S *	54°351	—33°266	2°50	47° 604	7°8	...	29°553	+28°296	—5	...	...	...	...	8°272	+35°158	—5	...	...
...	53°282	—11°339	0°65	...	...	...	29°404	+48°616	—5	M	...	...	...	8°076	+11°647	—4	...	...
...	52°316	—48°398	—3	...	...	...	—29°351	+37°640	—5	...	...	...	...	7°319	+44°609	0°65	...	...
*	52°046	—7°973	1°30	47° 605	9°4	*	28°994	—35°853	0°85	...	...	...	...	5°957	—32°481	—3	M	...
...	51°875	+39°377	—5	...	...	...	28°961	+51°726	—5	...	...	...	...	5°142	+46°083	0°80	...	...
...	51°351	—28°758	0°85	...	...	*	28°762	+31°126	1°00	46° 597	10°2	*	...	4°953	—57°917	1°40	47° 623	9°4
...	50°505	—23°780	—5	...	...	...	28°512	—46°644	0°65	...	...	...	...	4°759	—20°434	—4	...	...
21	—49°594	+29°406	1°30	46° 593	9°6	...	81	—27°977	+38°795	—5	M	141	—3°917	+15°624	—5	m	...	
...	49°589	—11°012	—5	...	...	...	27°822	+42°418	—5	M	...	...	...	3°633	+ 5°556	—4	...	...
...	49°027	+48°968	1°00	46° 594	10°2	*	27°793	+18°439	1°00	46° 598	10°2	...	...	3°299	—0°320	0°85	...	...
...	48°995	+ 5°875	—5	...	...	*	27°288	+41°853	1°30	46° 599	9°6	...	...	3°034	+16°193	—3	...	...
...	48°993	+16°434	—3	26°525	+22°654	—5	M	S *	2°706	—15°564	2°20	47° 624	8°2	
*	47°908	—45°770	2°60	47° 606	7°0	...	—26°138	+15°597	—4	...	...	...	...	—2°221	+55°458	—1	...	...
*	47°381	—46°506	1°30	47° 607	9°7	*	25°828	—0°632	1°60	47° 615	8°9	...	...	—0°043	+ 9°162	—5	M	...
...	47°168	—52°722	—5	...	...	...	25°676	—39°157	—5	M	...	...	*	+ 0°362	+ 1°901	1°00	46° 607	10°0
...	47°113	+37°193	—5	...	...	...	25°583	+34°179	0°80	...	...	...	...	0°480	—10°906	0°70	...	...
...	47°072	—31°262	0°65	...	...	...	25°495	+23°748	—5	M	...	...	...	0°773	+24°415	—5	...	...
31	—46°727	+ 2°526	—5	91	—24°687	—54°194	0°95	+ 0°899	+43°600	—5	M	...	
*	45°985	—44°176	1°60	47° 608	8°8	...	24°573	—25°465	—5	...	...	...	...	1°401	—27°658	0°85	...	...
*	45°683	—16°452	1°30	47° 609	9°4	...	22°981	—53°632	0°95	...	...	...	...	2°202	+29°508	—4	M m	...
...	45°520	+14°697	—3	...	...	...	22°957	+ 1°906	—5	M	...	...	...	2°356	—37°258	—5	...	...
+	44°854	—9°815	1°00	47° 610	9°4	...	21°828	+ 9°255	—5	...	...	...	...	2°976	+48°284	1°00	46° 608	10°2
...	44°267	—23°220	—5	...	...	*	—21°704	—15°824	1°00	47° 616	10°2	...	...	+ 3°103	+20°353	—4	...	...
...	43°994	—37°862	0°95	47° 611	10°2	†	21°355	—59°743	0°70	S *	3°737	+51°016	2°30	46° 609	8°0	
...	43°552	—33°113	—5	...	...	...	21°226	+23°702	0°80	...	...	...	...	4°484	—43°652	0°75	...	...
...	42°255	—32°052	—5	E	...	...	21°158	—32°295	0°65	...	...	...	...	4°681	—46°262	1°80	47° 625	8°1
...	42°002	+ 0°250	—4	...	...	*	20°840	—26°187	1°00	47° 617	10°2	...	...	4°876	+10°528	—5	M	...
41	—41°524	+28°642	—1	101	—20°742	—13°139	0°70	+ 4°893	+46°526	0°65	
...	40°952	+22°564	—3	...	...	...	20°685	+59°421	—5	...	...	...	...	4°960	+24°216	0°65	...	...
*	40°790	+39°308	0°95	46° 595	10°2	...	19°271	+36°851	0°70	...	...	...	...	5°034	—37°455	1°10	47° 626	9°2
...	39°631	+11°939	0°65	...	...	*	18°894	—53°871	1°20	47° 618	10°0	...	...	5°124	—32°028	0°80	...	...
...	39°602	+ 7°576	—5	...	...	...	18°461	+24°590	0°65	...	...	...	...	5°569	—33°468	0°80	47° 627	10°2
...	39°379	—17°158	—5	...	...	...	—18°177	—24°402	—3	...	...	...	...	+ 5°624	—0°840	0°80	...	...
...	39°203	+ 1°155	—3	...	...	*	17°756	—42°770	1°00	47° 619	10°2	...	...	6°147	—46°444	0°90	...	...
...	38°975	—7°694	—5	M	...	...	17°275	+21°033	—4	...	...	...	...	6°793	—5°938	—5	m	...
...	38°440	—41°319	0°65	...	...	S *	16°974	—22°540	3°40	47° 620	7°0	...	...	7°118	—48°616	0°80	...	...
...	37°756	—37°138	—1	...	...	...	16°848	—6°531	—3	...	...	...	...	7°356	—49°641	—5	M m	...
51	—37°161	—37°242	1°10	47° 612	9°6	...	III	—16°422	—26°725	0°70	171	+ 7°527	+ 2°615	1°00	46° 610	9°8
...	36°972	+11°049	0°70	...	...	*	16°240	+44°391	0°90	46° 600	10°2	...	...	7°533	—53°975	—5	...	...
...	36°837	—14°173	—5	M	...	...	16°161	—27°386	—5	...	...	...	...	8°437	+56°619	0°90	46° 611	10°2
...	36°496	—33°307	—5	...	...	S †	16°036	+54°921	2°00	46° 601	8°4	...	...	8°778	+ 9°576	—5	...	...
...	36°314	—29°951	0°65	...	...	...	15°993	—28°400	—5	M	...	...	...	10°563	—53°825	1°10	47° 628	9°7
...	35°419	—7°663	—5	...	...	*	—15°752	+ 4°245	1°00	46° 602	10°0	...	...	+10°764	—51°144	0°85	...	...
...	35°331	+41°071	—5	...	...	...	15°733	+ 5°738	—4	...	...	...	...	12°272	—30°263	0°90	...	...
*	34°374	—35°885	1°10	47° 613	9°6	...	14°715	+ 7°079	—5	...	...	...	...	12°480	+26°853	—5	...	...
...	34°254	—33°712	—4	M	...	S *	14°667	+25°998	1°20	46° 603	9°6	...	...	13°577	+30°640	0°80	...	...
...	34°121	—12°924	—2	...	...	S *	14°460	—53°693	1°60	47° 621	8°6	...	...	14°047	+58°693	0°75	...	...

C measured from 1, 103, 198.
NM " " 44, 148, 231.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		
181-220																			
221-260																			
181	+14·144	+58·898	-5	o	...	221	+34·047	+48·203	1·40	46° 616	9·6	261	+54·758	+46·359	1·10	46° 622	10·2		
...	14·204	+43·735	0·80	...	...	...	34·337	-15·244	1·00	47° 631	10·2	...	55·129	+2·758	0·65	...	...
...	14·221	-30·303	-5	m	...	...	34·455	-54·175	-5	...	...	*	55·172	-21·969	1·00	47° 632	9·9
...	14·468	+59·664	-5	...	...	...	34·956	+51·042	-5	...	...	...	55·825	+37·272	0·90	...	...
...	14·768	-12·725	-4	m	...	...	36·468	+20·603	-5	...	...	*	55·995	-44·351	1·15	47° 633	10·2
...	+15·098	-26·950	-5	...	...	...	+36·731	-23·213	0·70	...	...	...	+56·238	+29·607	-5	m	...
†	16·118	-44·928	0·80	47° 629	10·2	...	37·805	-37·482	-4	...	...	...	56·683	+57·213	-1	...	...
...	16·250	-28·887	-5	m	...	...	38·400	-25·852	-1	...	...	...	57·246	+2·771	-5	...	...
...	17·224	+37·997	-2	...	...	...	39·085	+29·140	0·90	46° 618	10·2	*	57·368	-24·253	1·10	47° 634	9·9
...	17·362	-31·523	-4	m	...	...	39·324	+26·883	-3	...	...	...	57·616	+18·516	0·70	...	...
191	S *	+17·647	-39·531	1·40	47° 630	8·8	231	+40·165	-23·211	-5	m	...	271	+58·013	+14·113	0·75	
...	18·046	-24·628	-5	m	...	...	* 40·411	+36·648	1·30	46° 619	9·6	S *	58·013	-52·878	1·80	47° 635	8·9
...	18·783	+42·210	0·70	...	...	...	40·565	+36·292	-1	...	...	...	58·020	+37·047	-4	...	...
...	18·955	-11·831	-1	...	...	...	41·304	-15·356	0·65	...	...	...	58·240	+37·542	-5	...	...
...	19·211	+18·147	-5	...	...	...	41·380	+28·666	-5	...	...	...	58·809	+41·484	-5	...	...
...	+19·706	-20·605	-4	...	...	...	+41·858	-14·950	0·65	...	...	S *	+58·924	-35·913	1·50	47° 636	8·5
†	20·079	+48·845	0·90	...	...	...	42·530	-55·595	-5	...	...	...	58·985	-4·998	-4	...	...
...	20·222	+39·342	-4	...	...	...	42·631	-2·187	-5	m	...	*	59·096	-44·368	1·30	47° 637	9·6
...	20·611	-18·748	0·70	...	...	...	42·638	+17·658	-5	m	...	...	59·160	-38·126	-5	...	...
S *	20·797	+26·015	1·15	46° 612	9·6	*	42·701	-59·702	1·20	48° 701	10·1								
201							241												
...	+21·458	-33·534	-5	...	...	...	+43·947	+0·146	0·70	...	...						
*	22·955	+47·366	0·95	46° 613	10·0	...	44·391	-22·605	-5	...	...						
...	23·225	+29·954	-4	...	...	...	44·846	+21·555	0·80	...	...						
...	23·286	-35·958	-3	...	...	...	45·100	-26·277	-4	...	...						
...	24·013	-51·196	-5	...	...	...	45·591	+58·478	0·95	...	...						
...	+24·137	-18·324	0·65	...	...	...	+45·942	+8·460	-4	...	...						
...	24·582	+58·139	-5	...	...	*	46·165	+59·027	1·50	46° 620	9·6						
...	26·404	-1·308	-3	...	...	...	46·214	+57·771	-5	...	...						
...	26·428	-14·084	-5	...	...	...	46·841	+44·079	-5	...	...						
...	27·267	+16·659	-4	...	...	...	47·108	-5·276	0·70	...	...						
211							251												
...	+28·184	-19·316	0·85	...	...	...	+47·112	-7·556	-5	e	...						
...	28·189	+35·615	-5	...	...	...	48·078	+48·112	-5	...	...						
...	28·453	+41·590	-4	...	...	...	49·138	+35·194	-2	...	...						
...	28·575	+52·859	1·00	46° 614	10·2	...	49·842	+3·757	0·80	...	...						
...	28·955	-4·025	-5	...	...	...	50·353	-28·386	0·75	...	...						
...	+31·449	+58·558	1·00	46° 615	10·2	...	+50·465	-22·290	-5	m	...								
...	31·482	+30·852	-4	...	...	...	51·255	-29·520	-1	...	...						
...	32·970	-13·011	-5	...	...	...	51·947	-23·691	0·90	...	...						
...	33·052	+14·690	-5	...	...	*	53·082	+40·608	1·10	46° 621	9·9						
...	33·463	-28·168	-5	...	...	...	54·157	+30·549	0·80	...	...						

-47° No. 35 D.-2 1902·94 5^h 45^m

1-10					11-20					21-30							
I	-58·612	+58·291	-3	o	...	...	-52·608	+3·727	0·70	o	...	...	-47·462	+57·380	-1	...	...
...	58·398	-0·077	-2	F	...	...	51·637	-18·157	-5	M	...	...	47·306	+2·001	0·70	...	...
...	58·163	+21·350	0·70	...	...	...	51·066	-28·375	-1	...	...	*	46·473	-21·520	1·00	47° 632	9·9
*	58·054	+58·862	1·30	46° 620	9·6	*	50·555	+40·659	1·00	46° 621	9·9	...	46·284	-9·217	-5	M	...
...	57·227	-22·784	-5	...	...	...	50·138	-29·493	-2	...	...	...	45·934	-48·205	-5	...	...
...	-56·917	+43·944	-5	...	...	...	-49·630	-23·653	0·90	...	...	...	-45·504	+37·258	-4	...	...
...	56·675	+8·290	-5	...	...	...	49·159	+30·628	0·85	...	...	...	45·327	+18·720	0·65	...	...
...	55·062	-5·396	-3	...	...	...	49·073	+46·453	0·90	46° 622	10·2	...	45·288	+37·763	-5	...	...
...	54·963	-7·660	-5	E	...	...	48·479	+4·509	-5	...	...	...	45·183	+2·982	-5	...	...
...	53·059	-39·392	-5	M	...	...	47·706	+37·400	0·80	...	...	...	45·147	-24·221	-5	M	...

NM measured from 1, 91, 188.
C .. " .. 42, 142, 231.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
31-90																		
31	-44° 932	-44° 156	1° 00	47° 633	10° 2	91	-19° 476	-2° 700	3° 00	47° 648	7° 1	151	+ 3° 225	-37° 530	-5	°	...	
†	44° 788	+14° 335	0° 70	...	...	S *	19° 186	-49° 970	-1	...	...	...	3° 386	+49° 809	-1	...	...
*	44° 207	-24° 031	1° 05	47° 634	9° 9	...	18° 550	-3° 113	0° 65	...	...	...	4° 299	-2° 850	-5	m	...	
...	43° 198	-4° 734	-5	...	...	...	18° 524	+15° 430	0° 65	...	...	...	4° 890	+54° 134	-5	...	...
S *	42° 646	-52° 640	1° 60	47° 635	8° 9	...	18° 415	+48° 944	0° 70	...	...	...	5° 900	+47° 892	1° 00	46° 636	10° 2	
S *	-42° 257	-35° 644	1° 60	47° 636	8° 5	...	-18° 375	+5° 473	-5	...	...	...	+ 5° 990	-32° 957	-5	M	...	
...	41° 963	-37° 835	-5	...	...	...	18° 233	+57° 354	-5	...	...	...	7° 240	-9° 534	1° 30	47° 655	8° 9	
*	41° 830	-44° 081	1° 20	47° 637	9° 6	...	17° 870	+18° 304	-1	...	...	...	7° 933	-53° 262	0° 90	47° 656	10° 2	
...	41° 543	+35° 692	-4	...	...	...	17° 739	+57° 501	-5	...	...	...	8° 399	-5° 605	-4	...	...
...	41° 164	-7° 326	-4	M	...	...	17° 224	+19° 773	0° 70	...	...	...	8° 828	+20° 905	-5	...	...
41	...	...	...	...	...	101	...	...	...	...	...	161	+	9° 638	-6° 980	-4	...	...
...	-40° 554	+31° 998	-5	...	...	...	-16° 440	-15° 661	0° 80	...	...	...	S *	9° 946	-31° 285	1° 15	47° 657	9° 2
...	39° 023	+43° 026	0° 75	46° 623	10° 2	...	16° 268	+25° 407	-5	...	...	...	+	10° 006	-23° 742	-3	...	...
...	37° 784	-52° 230	-4	...	...	...	16° 154	-51° 477	-2	...	...	...	+	10° 591	+4° 298	-4	...	...
...	37° 239	-16° 899	-5	...	...	*	14° 507	-23° 317	1° 00	47° 649	9° 9	...	*	11° 578	+13° 338	1° 00	46° 638	10° 2
...	36° 403	-18° 193	-4	...	...	...	13° 684	+32° 527	-5	...	...	...	+	11° 625	+24° 988	-1	...	...
S *	-35° 469	+11° 055	0° 90	46° 624	10° 2	...	-13° 600	+5° 774	-5	...	...	...	S *	11° 731	+39° 192	2° 60	46° 637	7° 3
...	35° 387	+44° 639	1° 20	46° 625	8° 9	S *	13° 558	+21° 940	4° 00	46° 631	7° 1	...	...	11° 927	+12° 361	0° 75	46° 641	10° 2
...	35° 238	-3° 340	-5	M	...	...	13° 236	+16° 433	-4	...	...	...	...	11° 933	+52° 954	0° 85	46° 639	10° 2
...	35° 114	+9° 006	-3	...	...	...	12° 240	-36° 150	-5	...	...	...	*	12° 038	+49° 451	1° 00	46° 640	10° 0
51	...	...	...	...	...	111	...	...	...	...	...	171	+	12° 602	-34° 677	-4	...	...
†	-34° 830	-35° 593	-3	...	...	...	-11° 677	+6° 449	-4	...	...	...	+	12° 859	+58° 310	1° 15	46° 642	9° 7
*	34° 553	-26° 386	1° 00	47° 638	9° 7	...	11° 034	-34° 543	0° 75	...	...	...	*	13° 631	-56° 464	-5	...	...
...	34° 534	+56° 406	-3	...	...	...	10° 390	-10° 460	0° 75	...	...	...	...	13° 918	+43° 874	-4	...	...
...	34° 282	+32° 089	-3	...	...	...	10° 111	+7° 765	-5	...	...	...	...	14° 432	-14° 909	-5	...	...
*	33° 685	-17° 095	1° 00	47° 639	10° 0	...	10° 041	+4° 408	-2	...	...	...	...	+ 15° 442	-40° 021	-4	m	...
*	-33° 589	+3° 429	1° 00	46° 626	10° 2	...	-9° 646	+55° 734	-5	...	...	...	...	15° 508	-6° 152	0° 90	47° 658	10° 2
...	33° 078	-15° 289	-2	...	...	...	9° 494	+2° 528	-5	...	...	...	...	15° 982	+39° 942	-5	...	...
*	33° 003	-22° 706	1° 30	47° 640	9° 2	*	9° 074	-45° 491	1° 00	47° 650	10° 2	...	...	16° 092	-17° 243	-5	...	...
...	32° 952	+37° 784	-5	...	...	...	8° 077	+15° 214	-5	...	...	...	...	16° 519	+42° 605	-4	...	...
31° 904	+39° 714	1° 50	46° 627	8° 8	...	7° 649	-47° 399	0° 90	47° 651	10° 2	...	181	+	17° 155	-32° 273	-5	...	...
61	...	...	...	...	...	121	...	...	...	...	...	...	+	17° 343	-25° 404	-1	...	...
...	-31° 811	+38° 860	1° 40	46° 628	8° 9	*	-7° 600	+31° 565	0° 90	46° 632	10° 2	...	...	17° 522	-34° 696	-5	...	...
...	31° 567	+32° 767	0° 90	46° 629	10° 2	*	7° 403	-42° 858	1° 40	47° 652	8° 9	...	...	18° 672	-33° 921	-5	m	...
...	30° 892	-9° 994	-5	M	...	...	7° 354	-23° 317	0° 65	...	...	...	...	19° 589	+4° 872	-3	...	...
*	30° 689	-45° 329	1° 10	47° 641	9° 7	...	6° 768	+1° 876	0° 70	...	...	...	...	+ 19° 621	+43° 480	-3	...	...
...	29° 734	+34° 350	-1	...	...	...	6° 566	-27° 212	-5	m	...	...	...	19° 719	+58° 774	-5	...	...
...	-28° 749	-23° 498	-3	...	...	...	-6° 417	+39° 768	0° 70	...	...	...	...	20° 239	+34° 954	0° 90	46° 643	10° 0
...	28° 519	-9° 016	-5	M	...	...	6° 101	+6° 861	-3	...	...	...	...	20° 252	+8° 837	0° 80	46° 644	10° 2
...	27° 882	-15° 964	-5	...	...	...	5° 905	+11° 929	-5	...	...	...	...	20° 391	+22° 268	-4	...	...
*	27° 830	-0° 014	-5	M	...	†	5° 166	+40° 041	-5	...	...	...	...	21° 117	1° 10	46° 645	9° 8	
*	26° 980	-0° 505	1° 10	47° 642	9° 7	...	4° 719	+36° 171	-4	...	...	...	...	22° 969	+52° 843	1° 10	46° 646	10° 1
71	...	...	...	...	...	131	...	...	...	...	...	...	+	23° 009	-25° 755	-4	m	...
...	-26° 737	+33° 983	-3	...	...	*	-4° 618	+8° 674	1° 00	46° 633	10° 2	...	*	23° 445	-27° 822	-5	m	...
...	26° 469	+29° 215	-4	...	...	...	4° 578	-3° 446	0° 80	...	...	...	*	23° 795	+31° 917	0° 85	46° 647	10° 4
*	26° 087	-31° 602	0° 95	47° 643	10° 2	...	4° 203	-10° 830	-5	M m	...	...	...	24° 496	-36° 810	1° 15	47° 639	9° 4
...	26° 053	-10° 995	-1	...	...	...	3° 222	-37° 589	-5	M m	...	...	...	24° 961	-7° 157	0° 65	...	...
...	25° 815	+32° 463	-3	...	...	...	1° 664	+23° 451	0° 70	...	...	...	...	26° 703	+2° 060	-5	...	...
...	-25° 509	-11° 298	0° 90	47° 644	10° 2	...	-1° 325	+25° 623	0° 95	46° 634	10° 2	...	...	27° 725	+42° 239	-5	...	...
...	25° 379	-42° 322	-3	...	...	...	1° 297	+0° 964	0° 90	46° 635	10° 2	...	...	28° 801	-19° 931	-1	...	...
...	24° 787	+3° 521	-5	...	...	...	0° 949	+17° 245	0° 75	...	...	...	...	29° 188	+15° 953	-4	...	...
...	24° 249	+12° 103	-5	...	...	*	0° 633	-5° 795	0° 95	47° 653	10° 2	...	...	29° 348	-41° 350	0° 80	47° 660	10° 2
...	23° 354	-51° 781	-4	...	...	...	0° 211	-23° 395	-5	M m	...	...	...	29° 929	-58° 156	0° 85	47° 661	10° 2
81	...	...	...	...	...	141	...	...	...	...	...	201	+	30° 937	+43° 518	0° 75	...	...
...	-23° 169	+46° 172	-3	...	...	†	-0° 019	-13° 473	0° 70	47° 654	10° 2	...	...	30° 951	-50° 707	-1	...	...
...	22° 901	+4° 591	-5	...	...	...	+ 0° 229	-42° 933	-5	m	...	...	...	31° 023	+6° 408	1° 50	46° 648	8° 6
...	22° 294	+31° 747	-5	...	...	...	0° 609	-22° 860	-5	...	...	...	...	31° 147	+23° 761	-1	...	...
...	22° 099	-33° 615	-5	M	...	...	1° 281	+43° 356	-4	...	...	...	...	31° 267	+22° 096	-5	...	...
*	21° 636	-25° 299	2° 00	47° 645	8° 4	...	1° 593	-34° 074	-3	...	...	...	...	32° 226	-51° 770	-1	...	...
...	-21° 117	-9° 163	0° 90	47° 647	10° 2	...	+ 1° 707	-46° 999	-5	...	...	...	...	33° 226	-51° 770	-1	...	...
*	20° 984	-38° 046	1° 00	47° 646	10° 0	...	1° 968	-21° 546	-5	...	...	...	...	33° 951	-50° 707	-1	...	...
...	20° 502	+10° 894	-3	...	...	...	2° 056	+34° 204	-2	...	...	...	...	34° 023	+6° 408	1° 50	46° 648	8° 6
*	20° 411	+56° 594	1° 20	46° 630	9° 8	...	2° 725	+21° 491	-5	...	...	...	...	34° 147	+23° 76			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
211-230																		
211	+31°794	-47°380	-5	°	m	...	231	* +41°059	+2°594	0°90	46°652	10°4	251	+48°979	+41°118	-5	°	...
*	31°885	+8°537	1°00	46°649	10°4	...	...	41°681	-28°344	0°80	47°667	10°4	...	50°034	-51°971	-4	...	...
*	31°925	-22°846	1°00	47°662	10°2	...	...	41°854	-51°890	-3	...	...	...	50°959	+50°965	-5	...	...
...	32°622	-10°701	0°65	...	...	...	...	43°618	-28°294	-4	...	...	S *	51°140	-37°039	1°05	47°670	9°8
*	32°850	-45°874	1°10	47°665	10°2	*	...	44°438	-5°263	0°90	47°668	10°4	...	51°631	+22°157	-5	...	...
*	+32°997	-18°330	1°20	47°664	9°1	...	...	+44°505	-26°395	-4	...	...	...	+51°947	-18°923	-5	e	...
*	33°042	-13°130	1°20	47°663	9°1	...	...	44°518	-25°875	-3	...	...	...	52°075	+10°445	-4	...	...
...	33°201	+13°230	0°80	...	...	...	...	44°521	-27°684	-5	e	...	...	52°429	-53°136	-5	...	...
...	34°167	+20°328	-4	...	...	...	...	45°316	+1°143	-5	...	...	...	52°435	+16°399	-3	...	...
†	34°917	+21°682	0°90	46°650	10°4	...	...	45°592	-38°768	-5	...	...	*	54°108	+13°142	1°30	46°656	9°1
221	+35°182	+15°494	-5	...	...	...	241	+46°359	+25°802	-1	...	...	261	+54°400	-21°135	-2	...	...
*	35°394	-30°782	1°20	47°666	9°2	*	...	46°373	+4°778	1°00	46°653	10°1	*	54°460	-14°405	1°00	47°671	10°4
...	35°517	-27°954	-5	m	...	...	...	46°960	-13°353	-5	...	...	S *	55°302	-59°032	2°40	47°672	7°6
*	35°694	+37°596	1°40	46°651	9°1	...	...	47°460	+39°709	-3	...	...	...	55°784	+19°664	-5	...	...
...	38°031	+44°228	0°95	...	...	...	...	47°586	-1°732	-5	...	...	...	57°391	-11°936	0°85	47°673	10°4
...	+38°164	+20°665	0°90	...	...	...	...	+48°246	+29°257	-4	...	...	...	+58°542	+49°517	-5	...	...
...	38°581	+27°250	-5	...	...	*	...	48°431	-54°184	2°00	47°669	8°0	...	58°965	+8°923	-3	...	...
...	39°136	+28°130	-5	...	...	...	...	48°487	+48°446	-1	46°654	10°4	...					
...	39°330	+34°450	-5	...	...	...	...	48°570	-23°001	-3	...	...				
...	39°576	-54°078	-5	m	...	*	...	48°718	+15°880	1°00	46°655	9°8						

1-30						31-60						61-90								
1	*	-59°726	-28°632	1°00	47°667	10°4	31	† -54°939	-13°475	-1	°	...	61	-49°471	-25°619	-4	°M	...		
...	59°636	+19°826	-4	...	...	...	...	54°691	-1°831	0°65	...	...	...	49°238	+11°152	-5	...	...
...	58°901	+58°488	-5	...	...	...	...	54°687	-11°688	-5	M	...	*	48°638	+15°222	1°50	46°656	9°1
...	58°826	-52°156	0°80	...	...	...	...	54°643	+41°016	-1	...	...	...	48°383	+6°765	-3	...	...
...	58°407	+30°962	-5	M	...	...	...	54°277	+6°211	-5	M	...	...	48°214	-53°051	-4	...	...
...	-58°352	+32°538	-5	...	...	...	...	-54°273	+22°002	-1	A	...	*	-47°408	-14°295	1°00	47°671	10°4
...	58°093	+42°155	-5	...	...	...	*	54°108	+15°792	1°10	46°655	9°8	...	47°379	+32°101	-4	M	...
...	58°047	+2°404	-4	...	...	...	...	53°885	-9°262	-4	M	...	...	47°344	+3°556	-5	M	...
...	57°874	-7°971	-5	M	...	...	...	53°767	-25°527	-5	M	...	...	47°259	-21°012	0°85	...	...
...	57°788	-28°513	0°75	...	...	...	...	53°662	+43°229	-5	...	...	...	47°177	+19°808	-2	...	...
II	...	-57°756	-18°527	-5	M	...	41	...	-53°046	-23°069	0°90	71	...	-46°695	+41°049	-5
*	57°706	-5°461	1°00	47°668	10°4	...	...	52°970	+50°932	-4	...	...	...	45°929	-19°906	-5	M	...
...	57°344	-3°220	-5	M	...	...	...	52°871	-47°195	-5	...	...	...	45°385	-0°276	-5	M	...
...	57°042	+0°958	-4	...	...	...	*	52°178	-54°260	1°90	47°669	8°0	...	45°352	+49°722	-1	...	...
...	56°989	-26°065	0°90	...	...	...	...	51°476	-36°420	-5	M	...	S *	45°131	-58°873	2°60	47°672	7°6
...	-56°969	-26°599	0°70	...	...	...	...	-51°393	+22°165	-1	...	...	†	-45°113	-59°649	-4	M	...
...	56°911	-27°888	-4	E	...	...	...	51°203	+36°189	-5	M	...	...	45°037	+21°620	-4	...	...
...	56°784	+25°633	0°85	...	...	...	...	50°942	-23°446	-5	M	...	...	44°658	+0°392	-5	...	...
...	56°747	-2°942	-5	M	...	...	...	50°932	-9°516	-5	M	...	...	44°580	+39°415	-4	...	...
...	56°575	+15°797	-5	...	...	...	...	50°633	-51°982	0°90	...	...	*	44°552	-11°727	1°00	47°673	10°4
21	...	-56°220	-7°597	-5	M	...	51	...	-50°613	-44°532	-5	M	...	81	...	-44°442	-11°417	-5	M	...
...	56°137	+39°560	0°85	...	...	...	...	50°605	-31°911	-5	M	...	...	44°387	-7°755	-5	M	...
*	56°105	+4°625	1°05	46°653	10°1	...	...	50°577	+10°463	0°70	...	...	...	43°645	+9°15	0°70	...	...
...	55°956	+38°216	-5	...	...	...	...	50°414	+16°430	0°80	...	...	...	42°986	-9°421	-4	M	...
...	55°682	+41°613	-5	...	...	...	...	50°296	+29°427	-4	...	...	...	42°593	-37°037	-3	...	...
...	-55°517	-34°429	-5	M	...	...	...	-50°110	+29°149	-4	...	...	...	-42°270	+6°586	-3	...	...
...	55°492	-38°927	-1	...	...	...	S ‡	50°014	-37°016	1°20	47°670	9°8	...	41°987	-20°321	-4	M	...
*	55°369	+48°335	0°90	46°654	10°4	...	...	49°789	-18°883	-4	E	...	...	41°883	+0°223	-3	...	...
...	55°026	+29°133	0°70	...	...	...	...	49°721	-55°487	-5	M	...	...	41°744	+23°819	-4	...	...
†	54°940	+17°245	-4	...	...	...	...	49°696	+9°594	-5	...	...	*	41°527	+12°679	1°00	46°657	10°4

NM measured from 1, 101, 199, 292, 391, 496.
C 58, 157, 239, 342, 445, 559.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0·70	No.	Mag.		x.	y.	0·70	No.	Mag.		x.	y.	0·70	No.	Mag.
91-150																	
91	-41·368	-11·722	-3	M	...	151	-31·656	+33·563	-4	M	...	211	-16·693	+39·652	-5	M	...
*	41·007	+3·398	1·30	46. 658	9·8	...	31·417	+33·711	-5	...	...	...	16·526	+24·345	0·70	...	...
...	40·933	+42·773	0·85	...	...	...	30·985	+5·448	-5	M	...	...	16·377	-31·211	-3	M	...
...	40·646	-28·053	0·75	...	...	...	30·658	+28·615	0·65	...	...	...	16·370	+44·573	-5	M	...
*	40·635	-15·210	1·00	...	...	...	30·337	-55·304	-4	M	...	...	15·551	-29·880	0·70	...	...
*	-40·399	-18·677	0·95	47. 674	10·4	...	-30·242	-28·893	0·75	...	...	...	-15·443	+16·645	-5	M	...
...	40·340	+44·146	-5	...	...	...	29·773	+54·234	-4	...	...	...	15·392	+13·964	-3	...	...
...	40·245	+49·165	-5	...	...	...	29·759	+27·368	-5	...	...	...	15·322	+44·662	-5	M	...
...	40·244	+24·020	0·85	...	...	...	29·719	+33·355	0·95	46. 662	10·4	...	15·293	-5·000	0·75	...	...
...	40·234	-28·971	0·70	...	...	...	29·698	-18·327	-5	M	...	...	15·269	-2·434	-5	M	...
101	+	-39·534	+34·989	1·00	...	...	-29·171	+20·275	-4	...	...	...	-15·238	-34·068	-5	M	...
...	39·488	-39·324	-5	M	...	...	29·084	+39·394	-1	...	...	...	14·368	-57·031	1·10	...	...
...	39·475	-3·894	-3	M	...	...	28·683	+41·578	-2	...	...	...	14·250	+8·922	0·90	...	...
...	39·345	+34·665	0·75	...	...	...	28·639	-39·777	1·80	47. 678	8·3	...	13·957	+38·165	0·80	...	...
...	39·181	+20·926	-5	...	...	...	28·634	+25·878	0·90	...	...	...	13·870	-36·492	-4	M	...
*	-38·972	+16·456	0·95	46. 659	10·4	*	-28·581	-51·427	1·00	47. 679	10·4	...	-13·628	-15·304	0·70	...	...
...	38·919	+38·605	-5	...	...	...	28·432	+3·970	-5	...	...	...	13·351	+16·250	0·80	46. 668	10·4
...	38·844	+16·907	-5	M	...	...	27·739	+40·176	-5	...	...	...	13·136	-50·473	-5	M	...
*	38·673	-10·057	1·00	47. 675	10·4	...	27·575	-41·015	-4	M	...	...	13·000	+9·010	-4	...	...
...	38·133	+42·338	-5	M	...	...	27·562	+16·995	-5	...	...	...	12·957	+42·667	0·75	...	...
III	...	-38·127	-47·417	-5	M	...	...	171	...	...	...	...	231	...	...	...	...
...	38·072	+3·990	-1	...	...	...	-26·930	+33·051	-3	...	...	...	-12·892	-23·613	-4	M	...
...	38·024	-48·961	-4	M	...	...	26·776	+52·881	-5	...	...	...	11·971	+17·173	-5	...	...
...	37·928	-38·902	0·65	A	...	...	26·567	-9·443	-3	M	...	...	11·357	-25·606	0·90	47. 684	10·4
...	37·797	+23·629	-5	M	...	*	25·874	-14·810	0·75	47. 680	10·4	*	11·269	-29·917	0·95	47. 685	10·4
...	-37·686	+3·539	-1	...	...	...	25·846	+47·635	0·95	46. 663	10·4	...	11·129	+56·432	-5	...	...
...	37·599	+31·618	-5	M	...	...	25·684	-41·124	-5	M	...	...	10·501	-28·071	-1	B	...
...	37·314	+40·537	0·80	...	...	...	25·388	-31·184	-5	M	...	...	10·456	+32·700	1·00	46. 669	10·4
*	37·166	-7·375	1·00	47. 676	10·2	...	24·414	+58·300	-4	...	...	S *	9·890	+27·130	1·60	46. 670	8·8
...	37·022	+25·484	-4	...	...	...	24·140	-30·039	-1	...	...	...	9·183	+21·922	-5	...	...
121	...	-36·831	-16·075	-5	M	...	...	181	...	...	...	...	241	...	...	...	...
*	36·688	+17·646	1·00	46. 660	10·4	*	-23·869	-15·167	0·75	47. 682	10·4	...	8·960	-29·923	-4	M m	...
...	36·268	-20·865	-5	M	...	...	23·834	-43·849	1·30	47. 681	9·2	...	8·655	-0·140	-5	M	...
...	36·154	+8·782	-1	...	...	*	23·765	+59·463	-3	...	...	...	8·335	+2·659	0·75	...	...
S *	35·790	-12·363	2·10	47. 677	8·1	...	23·579	+31·021	1·00	46. 664	10·4	...	8·261	-10·348	0·65	...	...
...	-35·771	-26·205	-5	M	...	*	-23·424	-22·483	1·00	47. 683	10·2	...	-8·002	+22·737	-3	...	...
...	35·301	+58·766	-5	...	...	...	23·275	-56·167	-5	M	...	...	7·991	+30·011	-2	...	...
...	35·179	+31·530	0·80	...	...	...	23·024	-34·487	-5	M	...	...	7·752	-53·893	-5	M m	...
*	35·097	-26·663	0·95	...	...	...	22·840	+42·117	0·65	...	...	...	7·747	-31·051	-4	M m	...
...	35·092	+9·893	0·70	...	...	...	22·744	+21·505	0·70	...	...	...	7·686	-54·646	-4	M	...
131	...	-34·735	+33·348	-5	...	...	...	191	...	...	...	...	251	...	...	...	...
...	34·710	+20·469	-5	M	...	...	-22·554	-29·838	-1	...	...	...	7·351	-42·561	0·70	...	...
...	34·613	+33·545	0·80	...	...	...	22·340	+54·425	-5	...	...	...	7·136	-41·482	0·80	...	...
...	34·322	+45·394	-5	M	...	...	21·951	-8·583	-5	M	...	...	6·925	-17·155	-5	M m	...
...	34·244	+35·392	-5	...	...	...	21·712	+6·849	-5	...	...	...	6·762	-26·559	1·00	47. 686	10·4
S *	34·223	-40·752	-1	B	...	...	21·380	+42·717	-5	M	...	...	6·752	-0·803	-4	M m	...
...	34·151	+20·213	1·60	46. 661	9·0	*	-20·873	-32·012	-3	...	...	...	6·507	+51·331	-4	...	...
...	34·149	+43·905	0·65	...	...	...	20·801	+27·650	1·00	46. 665	10·4	...	5·947	+5·532	-5	M m	...
...	33·962	-15·817	-1	...	...	...	20·388	-20·512	0·70	...	...	...	5·616	-50·116	-3	M	...
...	33·940	+33·860	-3	...	...	*	19·951	-30·877	0·75	...	...	...	5·493	-37·205	0·70	...	...
141	...	-33·630	-3·251	0·70	...	...	19·788	+18·091	1·00	46. 666	10·4	...	5·380	-43·205	0·80	...	...
...	33·600	+52·203	-5	M	...	...	-19·741	+6·248	-5	M	...	...	5·296	-30·648	-5	M m	...
...	33·456	-31·599	-4	M	...	...	19·733	+19·730	-4	...	...	...	4·906	-36·364	-3	...	...
...	33·395	-57·917	0·70	...	...	...	19·667	+52·155	-4	...	...	...	4·520	-36·314	-5	M m	...
...	33·117	-51·747	-5	M	...	...	19·282	+41·156	-5	M	...	...	4·422	-0·196	0·65	...	...
...	-32·959	-8·649	-5	M	...	...	18·685	+33·972	-5	...	...	...	4·388	-6·922	-5	M m	...
...	32·740	-54·611	-5	M	...	...	-18·302	+5·213	-5	...	...	S *	-4·348	-29·218	1·20	47. 687	9·1
...	32·357	-12·363	-4	M	...	...	18·018	-25·173	-1	B	...	...	3·438	+2·596	-2	...	...
...	31·980	+35·830	0·80	...	...	...	18·010	+10·702	0·65	...	...	...	3·278	+3·825	-5	M m	...
...	31·936	-20·308	-5	M	...	S *	17·679	+48·732	1·30	46. 667	9·5	...	3·227	-3·161	1·10	47. 688	9·8
...	31·936	-20·308	-5	M	...	...	17·679	+48·732	1·30	46. 667	9·5	...	3·223	-48·614	1·40	47. 689	9·1

Notes.	Co-ordinates.		Diam. o·70	C.P.D.		Notes.	Co-ordinates.		Diam. o·70	C.P.D.		Notes.	Co-ordinates.		Diam o·70	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
271-330																				
271	-3·187	-39·234	-4	o	m	+	7·404	+43·814	-2	o	+20·015	+26·206	0·65	o	...
...	3·144	-31·048	-5	M	m	...	...	7·893	-18·645	-1	M	...	...	...	20·341	+56·885	-1	...	...
...	2·898	-21·686	-3	...	...	...	...	7·920	+26·615	-3	...	...	...	*	20·593	-41·112	0·95	...	...
...	2·504	+39·252	-5	m	...	...	...	8·118	-17·393	-3	M	m	...	...	20·619	+11·217	-5	...	...
...	2·404	+54·860	-3	...	...	...	...	8·264	+12·491	0·70	...	...	...	...	20·675	-54·240	-4	m	...
...	-2·274	+44·735	-4	...	...	...	...	8·342	-6·113	0·65	M	...	...	...	+20·852	-16·933	-5	m	...
...	2·186	-15·181	0·70	...	...	...	...	8·428	+44·675	-5	...	...	...	...	20·954	-57·555	1·10	...	...
...	2·055	+5·674	-5	m	...	...	...	9·172	-56·499	-5	M	m	...	...	20·999	+3·603	-3	...	...
...	1·943	+31·541	-5	...	...	...	...	9·254	+45·760	0·70	...	...	...	...	21·511	+0·941	-5	...	...
...	1·864	-24·842	-4	m	...	...	...	9·834	+44·969	-5	...	...	...	...	21·982	8·684	-5	m	...
281	-1·769	+48·151	-5	341	+	9·841	-47·741	-4	m	+22·042	-36·391	-4	m	...
...	1·670	+34·150	0·90	46·671	10·4	*	10·146	-44·161	0·95	47·691	10·4	...	...	...	22·067	+54·008	0·70	...	...
...	1·624	+25·032	0·90	46·672	10·2	...	10·310	+37·125	-3	...	...	...	...	...	22·094	-16·547	0·70	...	...
...	1·546	+24·704	-2	...	...	...	*	10·423	-16·893	1·00	47·692	10·0	...	...	22·450	-47·620	-5	m	...
...	1·518	+4·870	0·70	...	...	...	...	10·439	+33·021	0·70	...	...	...	...	22·686	-33·603	-4	m	...
...	-1·391	+49·382	-5	...	...	...	*	+10·480	-36·298	1·00	47·693	10·2	*	...	+22·729	-9·408	0·95	47·696	10·4
...	0·943	+1·253	-5	M	m	...	...	10·707	-23·061	-5	m	...	S *	...	22·746	+23·251	1·70	46·676	8·8
...	0·666	+49·011	-5	...	...	...	...	11·275	+30·092	-5	...	...	...	...	22·923	+3·213	0·80	...	...
...	0·659	-3·214	-3	...	...	...	...	11·662	+23·524	0·80	...	...	...	...	22·975	-10·023	-5	m	...
...	0·469	-46·515	-5	M	m	...	...	11·691	-5·528	-5	m	...	...	...	23·061	+5·687	-5	m	...
291	-0·441	-9·309	-4	M	m	...	351	+	11·742	+45·907	-5	+23·273	+29·448	-5
...	+0·037	+10·862	-5	M	m	...	...	12·021	+2·133	-3	...	...	...	...	23·475	-36·391	0·80	...	...
...	0·069	+54·180	-5	M	m	...	...	12·602	+53·738	-5	...	...	...	...	23·640	+32·387	-5	m	...
...	0·070	+21·135	0·70	...	...	...	...	12·841	+20·688	-5	...	...	...	...	23·700	-33·528	0·70	...	...
...	0·190	-49·250	-1	m	...	...	...	12·901	+24·299	-3	...	...	*	...	23·838	+44·716	1·60	46·677	9·1
...	+0·279	+21·404	-4	...	...	...	...	+12·995	+46·490	0·90	...	...	...	...	+23·924	+39·510	0·70	...	...
...	0·326	-45·547	-3	M	m	...	...	13·291	+30·294	-4	m	...	...	...	24·257	+23·173	-5	...	...
...	0·933	+15·027	-5	M	m	...	...	13·510	+9·868	-5	...	...	...	...	24·789	+55·347	-4	m	...
...	1·288	-40·881	0·70	...	...	...	...	13·945	-21·564	-3	...	...	*	...	25·625	+40·413	0·95	...	...
...	1·659	-2·544	-5	M	m	...	...	14·458	+15·793	-5	...	...	...	...	25·770	+29·269	0·75	...	...
301	+1·775	+57·769	0·80	361	+	14·591	-46·228	-1	+25·968	-46·101	-5	m	...
...	1·827	-45·851	-5	M	m	...	*	15·070	+31·722	1·00	46·674	10·4	...	...	26·788	+19·452	-5	...	...
...	2·060	+47·278	-4	...	...	...	...	15·183	+48·588	-3	...	...	...	...	26·867	+6·946	0·70	...	...
...	2·763	-13·859	-5	M	m	...	...	15·448	-35·007	0·70	...	...	...	...	27·070	+1·364	0·65	...	...
...	2·766	-11·554	-5	M	m	...	...	15·477	-50·114	-5	m	...	...	...	27·265	-14·956	-3	m	...
...	+2·900	-54·376	-1	...	...	...	...	+15·603	-45·307	-5	m	...	...	...	+27·349	+54·280	-5	m	...
...	2·940	+6·529	0·70	...	...	...	...	15·837	-58·798	-5	m	...	...	...	27·587	-55·373	-5	m	...
...	3·006	-27·150	-5	M	m	...	...	15·991	+27·678	-5	...	...	...	...	27·596	+12·255	0·70	...	...
...	3·053	+2·754	-5	...	...	...	...	16·155	-51·023	-5	m	...	*	...	27·728	+5·277	0·95	...	...
...	3·076	-28·935	0·70	...	...	...	...	16·528	+49·524	-5	...	...	...	...	27·730	-38·217	-5	m	...
311	* +3·276	+33·744	0·90	371	+	16·666	+33·886	-4	+27·955	-48·634	0·90
...	* 3·379	+19·169	1·00	46·673	10·4	*	16·728	+45·661	1·00	46·675	10·4	...	...	...	27·981	-31·646	-4	m	...
...	3·430	-43·252	-5	M	m	...	...	16·932	-36·078	-3	...	...	...	...	28·040	+17·112	0·70	...	...
...	3·516	+5·082	-5	M	...	...	...	17·041	+34·357	-5	m	...	...	...	28·254	+41·344	0·85	...	...
...	3·781	+22·433	-2	...	...	...	*	17·061	-49·734	-4	...	...	*	...	28·544	-44·565	1·40	47·697	9·5
...	+3·890	+3·173	-4	...	...	...	*	+17·107	+42·480	0·95	...	...	...	...	+28·737	+52·736	-5	...	...
...	4·123	-35·088	-5	M	m	...	...	17·146	-28·743	-5	m	...	...	...	28·747	-17·496	-5	m	...
...	4·303	+26·295	0·70	...	...	...	...	17·317	-47·352	-4	...	...	...	...	28·853	-33·997	0·75	...	...
...	4·338	-18·068	0·85	...	...	...	...	17·357	-11·260	-3	...	...	...	...	28·868	+14·631	-4	...	...
...	5·163	+46·037	-2	...	...	...	...	17·771	+17·972	-3	...	...	...	...	29·092	-54·935	-5	m	...
321	* +5·424	-44·995	1·50	47·690	8·8	...	381	+	17·916	+32·238	-5	+29·198	+3·257	-4
...	5·682	+4·793	0·75	...	...	...	S *	18·031	-52·741	1·40	47·694	9·6	*	...	29·572	-21·38	1·00	47·698	10·4
...	5·923	+36·899	-2	...	...	...	...	18·033	-30·864	0·75	...	...	...	...	29·647	-30·110	-4	m	...
...	5·950	+9·563	0·80	...	...	...	...	18·354	+16·671	-2	...	...	...	...	29·693	-33·314	-5	m	...
...	6·186	-34·910	-5	M	m	...	...	18·661	+4·726	-5	...	...	...	...	30·048	+25·583	-1	...	...
...	+6·189	-14·537	0·65	m	...	...	...	+18·710	-55·332	-4	...	...	...	...	+30·145	-14·548	0·70	...	...
...	6·790	-53·607	-1	...	...	...	...	18·769	-20·468	0·70	...	...	...	...	30·221	+3·196	-4	...	...
...	6·802	+27·680	-1	...	...	...	...	18·879	-41·770	-4	m	...	...	...	30·446	+47·343	-5	...	...
...	7·147	-34·408	-5	M	m	...	*	18·889	-8·179	1·00	47·695	10·4	...	...	30·681	-33·590	0·70	...	...
...	7·387	+27·949	-4	...	...	...	...	18·970	-27·515	0·70	...	...	...	...	31·039	+25·203	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	°·70	No.	Mag.		x.	y.	°·70	No.	Mag.		x.	y.	°·70	No.	Mag.	
451-510																		
45 ¹	+31°143	-8°783	-3	o	...	51 ¹	+41°721	-15°420	-3	m	...	57 ¹	+52°190	-59°014	-4	o	...	
...	31°223	+48°399	-5	...	...	...	41°803	-19°695	0°80	...	...	...	52°458	+42°956	-1	...	...
*	31°236	+58°989	1°60	46. 678	8·8	...	42°080	-34°008	-5	m	...	...	52°623	+25°797	-5	...	...
...	31°334	+53°400	-5	...	...	...	42°086	-44°579	-4	m	...	...	52°869	+6°591	0·65	...	...
...	32°494	+50°095	-4	...	...	...	42°195	+17°479	1°15	46. 684	9·6	...	52°890	+53°947	-5	...	...
...	+32°709	+6°542	-4	...	...	...	+42°686	+2°449	-4	...	...	...	+53°126	-15°750	-3	...	...
...	32°744	-1°301	-5	m	...	...	42°747	-47°968	-5	m	...	...	53°129	+17°210	-4	...	...
...	32°896	+11°549	0°70	...	...	...	42°777	-22°565	-4	m	...	...	53°159	+29°781	-5	...	...
...	32°992	+26°466	-3	...	...	...	42°886	+25°749	0°90	46. 685	10·4	*	53°239	-47°245	1°40	47. 705	9·6
...	33°082	-45°777	-4	...	...	...	42°903	+39°886	1°00	...	...	...	53°254	-26°945	0°90	47. 704	10·4
46 ¹						52 ¹						58 ¹						
...	+33°302	+6°595	-3	...	...	...	+42°939	+22°371	0°65	...	...	...	+54°312	+7°886	-4	...	...
...	33°365	+10°396	-5	...	...	*	43°148	-6°830	0°85	...	...	*	54°419	-4°744	1°00	47. 706	10·1
...	33°519	-18°879	0°70	...	...	...	43°504	+8°552	-5	...	...	†	54°803	+53°171	-5	...	...
...	33°719	+41°807	-5	...	...	...	43°665	+50°256	0°65	...	...	...	54°894	-25°228	-5	m	...
...	33°737	-46°493	-5	m	...	...	44°037	-50°616	0°80	a	...	...	54°904	+48°801	-1	...	...
...	+33°737	-49°255	-5	m	...	...	+44°204	-37°413	0°90	...	...	...	+55°219	-32°385	-1	...	...
*	33°745	+13°691	1°00	46. 679	10·1	...	44°636	+28°658	-5	...	...	...	55°609	+17°315	-5	m	...
...	33°863	+49°332	-4	...	...	*	44°687	+37°721	1°50	46. 686	9·1	...	55°812	-36°497	0·75	...	...
...	34°048	+18°112	0°80	...	...	†	44°774	+36°957	-4	...	...	...	55°869	-1°313	-2	...	...
...	34°161	-6°871	-4	m	...	...	45°035	+29°564	-4	...	...	...	55°945	-11°025	-4	m	...
47 ¹						53 ¹						59 ¹						
...	+34°188	+12°929	-3	...	...	...	+45°113	+35°944	0°65	...	...	*	+55°957	-56°886	1°40	47. 708	9·5
...	34°665	-59°520	-5	...	...	*	45°159	-16°296	1°00	47. 700	10·2	*	56°200	-36°546	1·10	47. 707	10·4
...	34°971	+58°077	-5	...	...	...	45°686	-29°648	0°80	...	...	...	56°369	+12°032	-5	m	...
...	35°282	+3°089	-5	...	...	...	45°929	-46°970	-5	m	...	...	56°870	+21°823	-3	...	...
...	35°489	+29°380	-4	...	...	†	45°968	-29°815	0°70	...	...	...	56°883	-29°587	-5	m	...
*	+35°680	-28°706	1°00	47. 699	10·4	S *	+46°052	-25°219	2·10	47. 701	8·2	...	+57°428	+43°572	0·85	...	...
*	35°728	+7°878	1·20	46. 681	9·5	...	46°151	+54°607	-5	m	...	...	57°869	-15°341	-5	m	...
...	35°838	-25°400	-3	m	...	...	46°227	-40°580	-5	m	...	...	57°976	+53°177	-4	...	...
*	36°099	+39°130	1°00	46. 680	10·0	...	46°387	-39°284	-4	...	...	...	58°196	-0°714	0·90	...	...
...	36°123	-11°568	-3	m	...	...	46°499	-9°921	-2	...	...	...	58°296	+43°214	-4	...	...
48 ¹						54 ¹						60 ¹						
*	+36°322	-44°257	1°00	...	...	...	+46°618	-15°270	0°75	...	...	...	+58°441	-45°231	-5	m	...
...	36°607	+26°967	-3	...	...	*	46°641	+46°159	1°60	46. 687	9·0	...	58°462	+32°734	-3	...	...
8 *	36°851	+39°895	2·00	46. 682	8·4	...	47°296	-4°467	-4	m	...	*	59°005	-24°452	-3	...	...
...	36°889	-22°661	-5	m	...	...	47°466	+56°310	-1	...	...	*	59°256	-46°334	1°20	47. 709	10·1
...	37°080	-35°376	0·65	...	...	...	47°483	+7°633	-3	...	...	...	59°494	+31°810	0·75	...	...
...	+37°397	+32°035	-4	...	...	...	+47°522	-25°982	-5	m	...	...				
...	37°681	+9°287	-5	...	...	...	47°547	+15°910	-5	...	...	...			
...	37°763	-32°600	-5	m	...	...	47°712	-34°413	-5	m	...	...				
...	37°895	-33°418	-5	m	...	...	47°968	+41°459	-5	...	...	...			
...	37°933	-33°363	-4	...	...	...	47°988	-33°510	-2	m	...	...				
49 ¹						55 ¹												
...	+38°560	+29°836	-2	...	...	...	+48°092	+34°072	-4	...	...	...			
...	38°902	+48°307	-4	...	...	...	48°290	-43°231	-5	m	...	...				
...	39°017	-32°944	-5	m	...	...	49°282	+50°922	-3	...	...	...			
*	39°046	+19°868	1·10	46. 683	10·1	S *	49°376	+13°366	1·60	46. 688	9·0	...						
...	39°715	+46°400	-5	...	...	S *	49°410	-38°181	1·40	47. 702	9·2	...					
...	+40°001	-28°642	-5	m	...	...	+49°457	+5°669	-5	m	...	...				
...	40°080	-28°849	-5	m	...	...	49°705	+59°671	-5	m	...	...				
...	40°331	-31°644	0·65	b	...	†	49°744	+45°218	-5	m	...	...				
...	40°466	-25°741	0·70	...	...	...	49°835	-39°454	-5	m	...	...				
...	40°821	+53°662	-5	...	...	†	49°839	+13°405	-4	...	...	...			
50 ¹						56 ¹												
...	+40°849	+8°590	0·75	...	...	...	+50°101	+5°239	-5	...	...	...			
...	41°047	+6°718	-4	...	...	...	50°106	-11°822	-5	m	...	...				
...	41°058	-3°481	0·70	...	...	...	50°589	-26°182	0·80	...	...	...			
...	41°064	-32°339	0·65	a	...	...	50°638	+49°909	-5	...	...	...			
...	41°141	-0°833	-5	m	...	*	50°648	-25°227	1·00	47. 703	10·4	...						
...	+41°204	+56°585	-5	m	...	...	+50°671	+39°922	-5	...	...	...			
...	41°242	+3°046	-5	...	...	...	50°753	+18°158	-4	...	...	...			
...	41°480	+52°160	-3	...	...	...	50°771	+12°550	0·85	...	...	...			
...	41°543	+45°903	0·75	...	...	...	50°865	-9°571	-5	m	...	...				
...	41°556	-6°832	0·65	...	...	...	51°836	-18°598	-4	...	...	...			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
1-60						61-120						121-180						
I	-59.872	-19.967	-5	o	...	61	-29.438	-24.937	-5	M	...	121	-3.658	-10.640	0.80	47.720	10.4	
...	58.940	-7.078	-3	...	...	...	* 29.081	+13.867	0.85	46.692	10.1	...	* 2.181	-58.694	1.00	47.721	10.4
*	58.820	+37.488	1.40	46.686	9.1	...	28.932	-9.283	-5	...	...	...	0.345	-25.491	-5	...	...
*	57.136	+46.001	1.30	46.687	9.0	...	28.472	-0.124	-1	...	...	...	0.693	+42.259	-5	...	...
...	56.917	-37.609	-5	...	...	...	28.453	+46.479	0.85	46.693	10.4	...	1.508	-44.309	-5	...	...
...	-56.632	-16.485	1.00	47.700	10.2	...	-28.353	-28.183	0.75	47.715	10.4	...	+ 2.519	-40.859	-5	...	...
...	55.685	-29.799	-3	...	...	...	28.052	+ 5.271	0.80	46.694	10.2	...	3.064	+18.902	-5	...	...
S*	55.449	-25.371	2.00	47.701	8.2	...	27.605	-49.425	-5	M	...	...	3.199	+22.255	-4	...	...
...	55.399	-29.963	-3	...	...	...	27.555	+42.401	-4	...	...	...	3.348	+23.011	-3	...	...
...	55.207	-15.401	-5	...	...	...	* 26.959	+21.193	1.00	46.695	9.6	...	3.848	-54.011	-5	...	...
II	53.369	+13.296	1.40	46.688	9.0	71	-26.446	+40.150	-4	...	...	...	+ 4.663	-31.675	-5	...	...
...	51.952	+12.541	-4	...	...	...	26.177	-10.195	-3	...	...	...	5.368	-55.885	-3	...	...
S*	51.693	-38.218	1.40	47.702	9.2	...	25.923	+44.412	-5	...	...	...	* 5.453	-26.901	1.00	47.722	10.0
...	51.247	+42.975	-4	...	...	...	25.439	-36.496	-5	...	...	...	5.623	+10.063	1.40	46.711	8.8
...	50.905	-26.194	-4	...	...	...	24.754	+ 3.626	2.00	46.696	8.3	...	5.894	-8.320	-5	...	...
...	-50.869	-25.233	-1	47.703	10.4	...	-24.559	-34.238	0.70	47.716	10.4	...	+ 6.488	-12.116	-5	...	...
...	49.653	+ 6.643	-5	...	...	...	24.454	+47.054	0.65	...	...	...	7.737	+23.725	-5	...	...
...	48.973	+48.903	-4	...	...	...	24.417	+ 7.053	-5	...	...	...	7.743	-43.611	-3	...	...
...	48.711	-15.690	-5	...	...	...	23.460	+ 6.512	-5	...	...	...	8.451	+47.399	-5	...	...
...	48.234	-58.957	-5	...	...	...	21.247	-12.264	0.65	...	...	...	9.595	+12.793	-4	...	...
III	-48.214	-26.864	-1	47.704	10.4	81	-20.866	+ 0.486	0.90	46.697	10.4	...	141	+ 9.724	-17.297	0.90	47.723	10.0
...	47.759	-4.632	0.90	47.706	10.1	...	20.785	+19.790	1.00	46.698	9.8	N	9.883	-20.164	-1	47.724	10.4	
...	47.573	-47.147	1.15	47.705	9.6	...	20.531	+13.523	0.90	46.699	10.2	...	10.577	+39.749	0.75	46.712	10.4	
...	46.413	-1.158	-5	...	...	...	19.982	+38.243	1.00	46.700	10.0	...	11.545	-45.394	-5	...	...
...	46.283	+43.754	-3	...	...	...	19.599	+12.775	0.65	...	...	...	12.184	-42.135	-4	...	...
...	-46.148	+21.988	-5	...	...	...	-19.548	-17.944	0.70	47.717	10.4	...	+ 14.038	-27.894	-5	...	...
...	46.067	-32.231	-5	...	...	...	18.643	-5.108	-4	...	...	...	15.648	+27.221	0.90	46.713	10.2
...	46.054	+53.345	-5	...	...	...	18.182	-54.723	-5	...	...	...	16.480	+44.191	1.40	46.714	8.8
...	45.342	-36.322	-4	...	...	...	17.868	+33.871	0.90	46.701	10.4	...	17.542	+40.271	-5	...	...
...	44.969	-36.367	0.80	47.707	10.4	...	17.054	-8.131	-5	...	...	...	17.678	+40.252	1.50	46.715	8.4
IV	-44.929	+32.960	-5	91	-16.826	+48.025	0.65	151	+ 17.758	-30.686	1.00	47.726	9.6
*	44.553	-56.688	1.20	47.708	9.5	...	16.415	+35.272	0.90	46.702	10.1	S*	17.778	-14.227	1.40	47.725	9.1	
...	44.112	-0.486	-1	...	...	...	13.461	-22.377	-5	M	...	...	17.936	+29.329	-3	...	...
...	43.844	+32.058	-4	...	...	...	13.181	-30.880	-5	...	...	...	18.265	-15.302	-3	...	...
*	43.705	+54.877	1.20	46.689	9.6	...	12.685	-4.409	-4	...	...	...	* 18.329	+20.459	1.40	46.717	9.0
...	-42.001	+2.649	-5	...	...	...	12.660	-6.319	-5	...	...	...	+ 18.334	+40.163	1.00	46.716	9.5
...	41.868	+53.318	-4	...	...	...	12.541	-4.380	-5	...	...	...	18.697	-40.209	-5	...	...
...	41.602	-46.042	1.00	47.709	10.1	...	11.870	-14.598	-3	...	...	...	19.178	+ 3.722	0.70	46.718	10.2
...	39.275	-24.361	-4	...	...	...	11.295	-31.645	-5	M	...	...	19.342	+40.821	-3	...	...
...	39.132	+57.527	-4	10.766	+42.318	0.70	S*	21.535	+27.753	1.50	46.719	8.6
V	-39.121	+23.606	-2	101	-10.756	-39.040	-1	161	+ 21.810	-29.012	-5
...	39.116	-27.322	-5	...	...	...	10.417	+42.423	1.40	46.703	9.4	...	22.015	-5.623	-5	...	...
...	37.875	+19.093	-3	...	...	...	9.960	+ 8.120	0.70	...	...	...	23.318	-33.864	-5	...	...
...	37.729	-14.448	-4	...	...	S*	9.239	+29.769	1.60	46.704	8.8	...	24.013	+46.609	-4	...	...
...	37.435	+ 9.352	-3	...	...	...	8.424	-39.972	-5	...	...	...	24.130	+ 5.607	0.70	46.720	10.4
*	-37.366	+22.434	0.95	46.690	10.2	S*	- 8.207	+48.505	2.90	46.705	7.0	...	+ 24.382	+18.256	0.70	46.721	10.4	
...	37.166	+29.094	-4	...	...	...	7.796	+55.515	-5	...	...	...	24.576	-23.167	-3	...	...
...	37.108	-11.219	-4	...	...	...	7.252	+16.020	0.85	46.706	10.2	...	25.203	-57.875	0.90	47.727	10.2
*	36.984	-26.600	1.20	47.710	9.5	...	7.079	-28.379	-5	...	...	...	25.412	-17.527	-3	...	...
...	36.375	+ 0.752	-3	...	...	...	7.053	-31.182	0.70	47.718	10.4	...	25.524	+ 9.138	-3	...	...
VI	-34.029	+35.852	-3	...	...	111	- 6.926	+28.550	0.80	46.707	10.4	...	+ 25.738	+46.250	0.70	46.722	10.4
...	33.323	+36.166	-1	...	...	...	6.888	-17.894	-5	...	...	...	25.758	-21.834	0.65	47.728	10.4
S*	32.297	-28.695	2.00	47.711	8.0	...	6.370	+18.614	-5	...	...	...	26.263	+14.017	1.00	46.723	9.8
*	32.147	-27.984	1.00	47.712	9.6	...	6.206	-44.704	-4	...	...	...	26.468	-48.976	-5	...	...
...	32.005	+28.605	-4	...	...	...	6.179	-23.298	0.90	47.719	10.1	...	26.605	-4.526	0.90	47.729	10.2
...	-31.738	+38.432	-5	...	...	...	- 6.074	+20.036	0.95	46.708	9.8	...	+ 26.609	-32.366	-3	...	...
*	31.682	-15.324	0.90	47.713	10.2	...	4.279	-49.085	-3	...	...	...	27.137	+10.781	-5	...	...
...	30.670	+ 4.747	-5	...	...	...	4.231	+48.346	1.00	46.709	10.1	...	27.671	-36.733	-5	...	...
*	29.968	+10.947	1.10	46.691	9.4	...	4.032	+ 1.780	0.80	46.710	10.4	...	27.913	+59.694	-1	46.724	10.4	
...	29.772	-26.323	0.85	47.714	10.4	...	3.833	-21.931	-5	...	...	...	28.793	+ 8.222	-4	...	...

C measured from 1, 124.
NM 59, 185.

142. Mass. 48°. 38, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
181-210																	
181	+29°015	+0°131	0°90	46° 725	10°0	211	+41°683	-3°131	-5	...	...	241	+57°689	+4°960	0°75	...	...
*	29°201	+3°334	0°75	46° 726	10°2	...	41°776	+22°308	0°80	46° 732	10°4	...	57°943	-16°308	0°85	47° 739	10°4
...	29°234	+45°266	-4	...	...	...	42°377	+18°171	0°70	46° 733	10°4	...	58°431	-21°707	-5	...	...
...	29°632	-27°776	-4	...	...	*	43°071	+7°990	0°90	46° 735	10°4	...	58°680	+46°080	0°75	46° 744	10°4
...	29°852	+26°618	-5	...	...	...	43°563	+52°026	0°80	46° 734	10°4	...	59°149	+46°412	1°10	46° 745	9°8
...	+30°762	+46°546	0°75	46° 727	10°4	*	+43°997	+27°677	1°00	46° 736	10°2	...	+59°494	-49°261	0°75	47° 740	10°4
...	31°417	+47°887	-5	...	...	*	44°881	+52°345	1°20	46° 737	9°8						
...	31°432	-22°745	-3	...	...	S *	45°405	-23°048	1°30	47° 734	9°0						
*	31°527	-45°495	1°00	47° 731	10°0	...	45°614	-30°433	-5	...	...				
...	31°703	+50°561	0°70	46° 728	10°4	*	46°032	-39°364	1°20	47° 735	9°2						
191	+31°836	-6°194	0°80	47° 730	10°4	221	+46°592	+34°643	-5	...	...				
...	32°091	-48°113	-4	...	...	...	47°165	+36°966	-1	...	...				
...	34°031	-10°276	-4	...	...	...	48°210	-40°621	0°75	47° 736	10°4						
...	35°209	-46°082	-5	...	...	...	48°230	+20°009	-4	...	...				
*	35°219	+49°911	1°80	46° 729	9°0	...	48°330	+41°700	-5	...	...				
...	+36°271	-5°957	0°80	47° 732	10°4	S *	+49°530	-51°420	1°50	47° 737	9°1						
...	37°137	+18°639	-5	...	...	...	49°561	+44°572	-5	...	...				
*	37°303	-7°038	1°00	47° 733	10°0	*	50°575	+8°060	1°10	46° 738	9°6						
...	37°427	+43°874	-5	...	...	*	51°146	+18°885	1°00	46° 739	10°0						
...	37°567	-28°320	-3	...	...	...	51°201	+15°120	-4	...	...				
201	+37°880	+7°460	-5	...	...	231	+51°633	-25°213	1°00	47° 738	9°6						
...	38°264	-21°603	0°70	...	...	...	52°613	-54°177	-5	m	...						
...	39°349	+56°947	-5	m	...	...	52°633	-34°149	-5	...	...				
...	39°614	+0°481	-4	...	...	†	52°884	+50°129	-1	...	...				
...	40°152	+28°565	0°70	46° 730	10°4	...	52°941	+36°473	0°75	46° 740	10°4						
S *	+40°402	+41°489	1°60	46° 731	8°8	*	+55°016	+44°296	1°05	46° 741	9°8						
...	40°723	-0°311	-5	m	...	...	55°577	+1°432	-5	m	...						
...	40°818	-9°516	-1	...	...	...	55°854	+27°908	0°80	46° 743	10°4						
...	41°159	+59°415	-5	...	...	...	56°025	+54°155	-1	46° 742	10°4						
...	41°466	+11°999	-5	m	...	...	57°206	-2°068	-5	...	...				

1-20						21-40						41-60					
I	-59°523	+7°225	0°90	46° 735	10°4	21	-48°048	+54°288	0°75	46° 742	10°4	41	-36°761	+58°092	1°40	46° 747	9°5
*	59°208	+27°429	0°95	46° 736	10°2	...	47°370	+28°027	0°70	46° 743	10°4	...	36°759	+50°687	0°90	46° 748	10°2
...	59°116	+52°132	1°20	46° 737	9°8	...	47°194	+59°859	-5	...	...	...	36°464	-2°041	0°80	47° 742	10°2
...	56°850	+34°467	-5	...	...	...	45°107	+46°292	0°70	46° 744	10°4	...	35°782	+25°402	-1	...	...
...	56°343	+36°820	-4	...	...	...	45°061	-1°873	-5	...	...	...	35°358	+46°344	0°75	...	...
S *	-56°175	-23°225	1°40	47° 734	9°0	†	-44°793	+5°159	0°70	...	...	...	-34°741	+47°709	-5	...	...
...	56°160	-45°702	-5	...	...	*	44°678	+46°644	1°00	46° 745	9°8	...	34°409	-9°911	0°70	...	...
...	55°325	+41°566	-5	...	...	...	43°876	-16°084	0°80	47° 739	10°4	...	34°105	+46°639	-5	...	...
*	55°027	-39°504	1°15	47° 735	9°2	...	43°209	-21°457	-5	...	...	...	33°831	-11°237	-4	...	...
...	52°808	-40°708	0°70	47° 736	10°4	...	42°234	+15°665	0°70	...	...	*	33°668	-18°974	1°90	47° 743	8°2
II	-51°998	+8°031	1°20	46° 738	9°6	31	-42°207	+13°918	0°80	...	...	51	-33°024	-43°153	-4	...	...
*	51°779	+18°877	1°00	46° 739	10°0	...	41°393	+47°149	0°80	46° 746	10°4	...	31°404	-15°512	-4	...	...
†	51°590	+15°100	-4	...	...	...	41°267	-48°984	0°85	47° 740	10°4	...	31°194	+19°396	0°80	46° 749	10°4
S *	51°161	-51°454	1°40	47° 737	9°1	...	40°896	-48°849	-5	A	...	...	30°929	+6°976	0°75	...	...
...	51°029	+50°131	-5	...	...	...	40°732	+46°037	-4	...	...	...	30°812	+19°396	0°70	...	...
...	-50°849	-17°008	-5	A	...	...	-40°190	+1°484	-5	...	...	...	-30°464	+8°964	-4	...	...
...	50°547	+36°499	0°70	46° 740	10°4	...	40°063	+16°546	-3	...	...	...	30°341	+8°233	0°75	...	...
++	49°877	-25°187	1°00	47° 738	9°6	...	38°277	+8°337	-4	...	...	*	30°011	+1°142	1°80	46° 750	8°8
*	48°722	+44°371	1°00	46° 741	9°8	...	37°895	-5°449	0°70	...	...	...	29°778	+47°252	-5	...	...
...	48°593	-34°096	-5	...	...	...	37°105	-21°599	0°75	47° 741	10°4	...	29°358	-26°934	-3	47° 744	10°4

NM measured from 1, 128.

C " 59, 204.

11 false stars measured by NM. deleted in revision.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
61-120																		
61	-29·343	+7·066	-3	°	...	...	3·141	-11·101	1·30	47·759	9·0	181	+22·952	-5·310	-5	...	...
...	28·262	+59·652	-3	45·797	10·4	...	3·012	+44·902	-5	...	...	...	23·507	+59·399	1·10	46·775	9·6
...	28·079	-57·730	-3	...	...	...	2·785	+26·211	-5	...	...	...	24·380	-23·222	1·15	47·774	9·2
*	27·609	+42·520	1·00	46·751	9·8	...	0·919	-44·572	0·90	47·760	9·8	...	24·502	-10·137	1·60	47·775	8·7	
...	27·502	-44·930	-4	...	...	...	0·893	+16·391	-5	...	...	...	24·769	+57·059	-3	...	...
...	-27·483	+10·355	-5	...	...	...	0·299	+57·474	-5	...	...	...	+25·029	+56·595	2·00	46·776	8·2
...	25·796	+51·093	-5	...	...	...	0·043	-16·132	1·00	47·761	9·4	...	25·191	+16·803	0·95	46·777	10·0
...	25·357	-53·826	-5	A	...	...	*+1·223	-19·644	1·20	47·762	9·0	...	25·426	-10·265	0·95	47·776	10·2
...	25·146	+11·983	-4	...	...	...	1·298	+39·666	-5	...	...	...	26·165	+24·969	-5	...	...
...	24·500	+20·832	-3	...	...	...	1·470	+22·127	1·10	46·760	9·2	...	26·285	+24·241	1·00	46·778	9·6
71	-24·011	+23·937	-4	...	...	...	+1·883	+7·658	-5	...	...	191	+26·374	+28·294	-5	...	...
...	23·841	+26·682	-5	...	...	...	2·066	+20·928	1·00	46·761	9·5	...	26·609	+44·646	-4	...	...
*	23·818	-1·093	1·00	47·745	10·1	...	2·138	+34·962	-5	...	...	...	26·647	-48·029	0·70	47·778	10·2
...	23·545	-30·249	-5	...	...	...	2·292	-34·196	-5	...	...	...	26·740	+18·111	-4	...	...
...	23·340	+58·497	-2	46·752	10·4	...	2·747	-31·934	-5	...	...	...	27·014	+25·676	1·30	46·779	9·0
S *	23·156	+55·968	-2	...	...	...	+2·854	-58·593	-4	...	...	...	+27·107	-17·964	0·95	47·777	9·8
...	22·213	+54·050	2·10	46·753	8·3	...	3·157	+7·418	0·80	46·762	10·0	...	27·624	+33·990	-5	...	...
...	21·611	+15·723	-5	...	...	...	3·176	-42·204	-5	...	...	...	27·950	+50·051	0·90	46·780	9·9
...	21·071	-56·891	-5	...	...	...	3·861	+36·376	-4	...	...	...	28·492	+40·717	0·70	46·781	10·2
...	20·917	+3·210	-3	46·754	10·4	*	4·039	+21·483	1·00	46·763	9·6	...	28·794	+39·945	1·00	46·782	9·8	
81	-20·550	+10·414	0·70	...	...	...	4·209	-1·607	-5	M	...	201	+28·993	+25·118	0·80	46·783	10·0
S *	20·335	+8·485	1·50	46·755	8·8	...	4·210	+24·232	-1	46·764	10·2	...	29·186	+29·591	0·65	...	...
...	20·311	+9·048	-3	...	...	...	4·546	-49·981	-5	M	...	...	29·921	-12·073	1·00	47·779	9·5
...	18·972	-14·399	-5	...	...	...	4·933	-4·976	0·70	47·763	10·0	...	30·001	+22·014	1·60	46·784	8·2
*	18·722	-0·077	1·40	46·756	9·0	S *	6·875	+15·751	1·20	46·765	9·1	...	30·125	-41·786	-5	...	...
...	-18·275	+38·069	-4	...	...	...	8·008	+14·443	-5	...	...	...	+30·233	-39·525	-4	47·780	10·2
...	17·492	-10·168	-5	...	...	...	8·437	+56·323	-5	...	...	...	30·423	+4·498	1·30	46·785	9·4
...	17·166	+29·489	-4	...	...	...	8·733	+35·008	0·80	46·766	10·0	...	31·484	-44·855	-5	...	...
...	16·843	+1·488	-5	...	...	...	8·809	-21·166	-1	47·766	10·2	...	31·808	-20·380	0·70	47·781	10·2
...	16·594	+31·140	-3	...	...	...	9·419	-29·440	-5	...	...	...	32·938	+40·240	0·90	46·786	9·8
91	-16·003	-2·341	1·15	47·746	9·4	...	10·223	+38·605	0·70	46·767	10·2	...	+33·070	+58·000	0·80	46·787	9·9	
S *	15·295	+38·580	-5	...	...	...	10·486	+38·440	-5	...	...	...	33·076	-2·726	-2	47·782	10·2
...	14·474	-47·642	1·80	47·747	7·8	...	10·771	+42·400	0·80	46·768	10·0	...	33·253	-31·964	-5	...	...
...	13·996	-51·970	-5	...	...	...	10·968	-50·642	0·80	47·768	10·2	...	33·867	+14·103	-5	...	...
...	13·775	-46·172	0·70	47·748	10·4	...	11·143	-51·587	0·80	47·769	10·2	...	34·313	+42·864	0·65	46·788	10·0	
...	-13·637	-52·034	-5	...	...	...	+11·249	-12·138	0·80	47·767	10·2	...	+34·488	+41·197	-5	...	...
...	13·512	-39·087	-2	47·749	9·8	...	11·929	-35·093	-3	...	...	...	35·590	-28·132	-1	47·783	10·2
...	13·500	-38·998	0·70	47·749	9·8	...	11·950	+26·846	0·80	46·769	9·8	...	35·705	-35·178	1·00	47·784	9·8	
...	12·483	-54·256	-2	47·750	10·4	...	12·933	+23·154	-4	...	...	...	35·921	-6·823	-5	...	...
...	12·382	-35·156	0·65	47·751	10·4	...	13·692	+43·346	-4	...	...	...	36·419	-21·440	1·40	47·785	8·7
101	-10·886	-30·580	0·70	47·752	10·4	...	+14·415	-2·804	0·80	47·770	10·2	...	S *	+36·474	-40·988	1·40	47·786	8·7
...	10·740	-0·100	-5	...	...	...	14·526	-38·862	-5	...	...	...	36·544	+40·274	-5	...	...
...	10·062	-12·879	-4	...	...	...	16·554	-50·950	0·80	47·771	10·2	...	36·847	-26·387	-4	...	...
...	9·480	-10·612	-4	...	...	*	16·828	+54·175	1·00	46·770	9·6	...	36·953	+18·148	-1	46·790	10·2
*	8·945	-0·445	1·20	47·753	8·8	...	18·298	+29·480	-1	...	...	...	36·978	+18·526	0·95	46·791	9·6
*	8·872	-0·509	1·20	47·753	8·8	S *	+18·447	-56·728	1·50	47·772	9·0	...	+37·025	+34·022	0·75	46·789	10·0	
...	8·747	-16·346	-4	47·754	10·2	...	18·858	+21·406	-5	...	...	...	37·822	+52·079	0·80	46·792	9·8
...	8·638	-33·493	0·80	47·755	10·0	...	18·946	-55·652	-5	...	...	...	38·256	+25·218	-2	46·794	10·2
*	7·606	-42·581	1·20	47·756	9·4	...	18·991	+27·155	0·65	...	...	...	38·260	+18·063	-4	46·793	10·2
...	7·377	-33·342	-5	...	...	...	19·281	+45·122	-4	...	...	...	38·347	+14·516	0·80	46·795	10·0
III	-7·361	-46·627	-4	...	...	...	+20·125	+59·648	1·00	45·821	9·9	...	+38·590	-47·172	-1	47·787	10·2
*	7·146	-37·746	1·10	47·757	9·4	...	20·642	-2·536	-5	...	...	...	39·623	-25·373	-4	...	...
...	6·332	-1·058	-4	47·758	10·2	...	20·889	+53·304	-2	46·771	10·2	*	39·836	+9·005	1·00	46·797	9·4	
...	5·856	-43·054	-5	...	...	...	21·432	+30·912	0·90	46·772	9·8	S *	40·014	+52·928	1·60	46·796	8·4
...	5·699	+24·572	-4	46·757	10·2	...	21·499	-21·630	-5	...	...	...	40·293	+12·549	0·65	46·798	10·2
...	-4·334	-41·249	-5	...	...	*	+21·846	+39·576	1·00	46·773	9·8	...	+40·471	-32·226	-4	...	...
...	4·304	+57·319	-5	...	...	*	22·125	-20·189	1·20	47·773	9·2	...	40·478	+30·330	-4	...	...
S *	3·800	+39·513	1·40	46·759	8·8	...	22·128	+13·342	0·70	...	...	...	40·955	-33·941	-5	...	...
N [	3·795	+51·093	-1	46·758	9·6	...	22·527	-33·874	-4	...	...	...	41·002	+16·457	-5	...	...
N [	3·795	+51·051	-1	46·758	9·6	...	22·710	+29·544	0·65	46·774	10·2	...	41·871	-28·945	-4	...	...

119, 120. 46°·38, two stars; 46°·39, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	* No.	Mag.
241-260																	
24I	... +42°303	+55°088	- 1	46° 799	9·6	26I	... +49°404	- 2°235	- 5	28I	... +58°927	- 21°981	- 5
...	42°602	+31°481	- 4	50°418	+23°758	- 1	46° 804	10·2	...	59°327	+ 1°248	- 1	46° 813	10·0
...	42°631	+27°952	- 5	...	...	...	50°596	-56°016	- 4	...	...	...	...	...	...	...
*	42°741	+55°861	1°50	46° 800	8·7	...	50°676	-47°532	- 4	47° 792	10·2	...	...	...	...	...
...	42°914	-4°128	- 3	47° 788	10·2	...	51°472	- 6°137	- 5	...	...	...	...	...	...	...
...	+43°019	-26°961	- 5	...	...	...	+51°835	+48°812	- 4	46° 805	10·2	...	...	...	...	...
*	43°782	+20°243	1°50	46° 802	8·6	...	51°971	- 8°928	0°70	47° 793	10·0	...	...	...	...	...
...	43°830	-51°254	0°75	47° 789	10·2	...	52°464	+20°779	- 5	...	...	...	...	...	...	...
...	43°932	+29°795	- 3	46° 801	10·2	...	53°336	-56°540	- 5	...	...	...	...	...	...	...
...	44°261	-23°689	- 4	...	...	...	53°496	+ 2°485	0°85	46° 806	10·0	...	...	...	...	...
25I	... +44°433	+ 3°959	- 4	...	...	27I	... +53°522	- 1°376	- 5	...	...	...	...	...	...	...
†	44°985	-42°568	0°70	47° 790	9·9	...	54°850	+57°265	- 5	46° 807	10·2	...	...	...	...	...
...	45°658	+ 8°728	- 3	...	...	S *	56°166	+13°351	1°60	46° 808	8·2	...	...	...	...	...
*	45°692	+36°955	1°50	46° 803	8·6	...	56°397	+30°340	- 5	...	...	...	...	...	...	...
...	45°770	+10°399	- 5	...	...	...	56°909	-50°715	- 5	47° 794	10·2	...	...	...	...	...
...	+46°174	-17°389	- 4	...	...	*	+57°634	+35°289	1°00	46° 810	9·5	...	...	...	...	...
...	46°369	+ 0°425	- 5	...	...	...	57°647	+47°541	- 5	46° 809	10·2	...	...	...	...	...
...	47°242	+18°175	- 5	...	...	...	58°104	+28°571	- 5	46° 811	10·0	...	...	...	...	...
...	47°769	-10°241	- 2	...	...	S *	58°200	-30°871	1°00	47° 795	9·5	...	...	...	...	...
...	48°444	-42°743	0°80	47° 791	10·0	...	58°458	+10°579	0°90	46° 812	9·6	...	...	...	...	...

1-30						31-60						61-90					
I	-59°520	-29°226	0·80	°	...	3I	-53°742	+29°953	- 5	°	...	6I	-48°230	+37°625	- 5	°	...
...	59°320	+29°548	0·80	46° 801	10·2	...	52°971	-56°277	- 5	M	...	...	48°169	+58°566	- 5	...	...
...	59°287	- 4°383	0·80	47° 788	10·2	...	52°854	- 2°287	- 2	...	...	...	48°081	-55°765	- 5	M	...
...	59°236	- 9°109	- 4	...	...	...	52°790	- 6°798	- 5	M	...	...	48°063	-31°537	- 4	...	...
*	59°186	+20°011	1°60	46° 802	8·6	...	52°744	+ 8°659	- 5	...	...	...	47°548	-12°963	- 5	M	...
...	-59°110	+55°022	- 3	...	...	*	-52°681	+23°727	0°95	46° 804	10·2	...	-47°193	-56°444	0·65	...	...
...	59°023	+34°043	- 5	...	...	*	52°523	-42°809	1°15	47° 791	10·0	...	46°908	+30°511	0·70	...	...
...	58°996	+21°664	- 5	...	...	...	52°480	+47°389	- 5	...	...	...	46°606	-46°816	- 5	M	...
...	58°769	+20°395	- 5	...	...	...	52°450	+ 6°679	- 5	...	...	N	46°599	+12°979	0·65	M	...
...	58°438	-27°205	- 1	...	...	...	52°053	+48°825	0°80	46° 805	10·2	S *	46°575	+13°506	1°70	46° 808	8·2
II	-58°022	+ 3°746	- 3	...	...	4I	-51°998	+33°020	- 5	M	...	7I	-46°188	+47°732	0·70	46° 809	10·2
*	57°812	+36°767	1°60	46° 803	8·6	...	51°865	+12°935	- 5	...	...	*	45°823	+35°494	1°30	46° 810	9·5
...	57°746	-58°531	- 5	...	...	...	50°961	-31°499	- 5	M	...	...	45°822	+26°696	- 5	M	...
...	57°433	+12°233	- 4	...	...	...	50°661	- 6°120	0·65	...	...	...	45°594	-48°066	- 3	...	...
...	57°384	- 0°463	- 3	α	...	...	50°522	+20°818	- 2	...	...	...	45°349	+14°300	- 3	...	...
...	-57°311	-23°896	0·65	...	...	...	-50°497	-10°667	- 2	...	...	*	-45°137	+28°779	0·90	46° 811	10·0
...	57°191	+22°067	- 4	...	...	...	50°142	-47°516	0°90	47° 792	10·2	...	45°048	- 8°391	0·65	...	...
...	57°162	-12°728	- 5	M	...	*	50°068	- 8°900	1°00	47° 793	10·0	...	44°970	-15°938	- 4	M	...
...	56°953	+ 8°547	0·85	...	...	...	49°948	-55°997	0·65	...	...	...	44°634	+23°545	- 1	...	...
...	56°902	+10°219	- 3	...	...	...	49°778	+10°506	- 3	...	...	...	44°449	+23°924	- 5	...	...
2I	-56°868	-51°453	0·95	47° 789	10·2	5I	-49°357	-30°661	- 5	M	...	8I	-44°200	+10°810	1°00	46° 812	9·6
†	55°974	+ 0°274	- 3	...	...	...	49°312	+57°357	0°70	46° 807	10·2	...	43°874	+ 9°610	- 5	...	...
*	55°971	-42°738	1°20	47° 790	9·9	...	49°013	-27°156	- 1	...	...	...	43°816	-50°511	0·95	47° 794	10·2
...	55°856	+ 6°591	- 5	...	...	*	48°902	+ 2°571	1°00	46° 806	10·0	...	43°792	-21°857	- 3	B	...
...	55°665	+18°046	0·65	...	...	...	48°758	- 1°300	0·70	...	...	...	43°736	-20°847	- 5	M	...
†	-55°660	+10°222	- 3	...	...	...	-48°675	-36°844	- 3	...	...	...	-43°419	+18°252	- 5	...	...
...	55°598	-17°532	- 1	...	...	...	48°647	-18°564	- 2	A	...	...	43°228	+ 7°340	- 1	...	...
...	54°587	- 3°874	- 5	M	...	...	48°453	-11°090	- 4	...	...	S *	43°161	-30°636	1°15	47° 795	9·5
...	54°382	+20°142	- 3	...	...	...	48°444	-25°414	- 5	M	...	*	43°042	+ 1°507	0·90	46° 813	10·0
...	54°231	-10°339	0·90	...	...	...	48°363	+17°385	- 5	...	...	...	42°908	-20°479	- 5	M	...

C measured from 1, 110, 247, 372, 495, 633.
NM " " 50, 177, 310, 435, 562, 694.

69. 46° 39, obscured by 2nd and 3rd images of 70.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
91-150																	
91	-42.906	+55.024	-5	o	...	151	-33.930	-21.028	-3	M	...	211	-25.524	-9.662	0.70	o	...
...	42.714	-21.712	0.70	...	...	...	33.861	-23.724	-4	M	...	...	25.486	-36.135	0.90	47. 805	10.2
...	41.905	-6.348	0.70	...	...	*	33.675	-14.226	0.85	47. 799	10.0	...	25.311	+54.482	-5	...	...
...	41.766	+24.564	-5	...	...	*	33.474	-21.208	1.15	47. 800	9.2	...	25.279	+51.784	0.75	46. 828	10.2
...	41.688	-40.695	-5	M	...	...	33.471	+43.209	0.70	...	...	...	24.981	-10.892	0.65	B	...
...	-41.649	+37.497	-5	...	...	...	33.359	+14.818	-5	...	...	...	-24.881	-46.829	0.70	...	...
...	41.341	+49.981	-4	...	...	...	33.255	+58.919	-4	...	...	...	24.417	+14.580	-2	...	...
...	41.290	+40.374	-4	...	...	...	32.763	-39.873	-4	M	...	...	24.273	-12.499	0.85	47. 806	10.2
...	41.284	+36.789	-5	...	...	...	32.491	-7.588	-4	M	...	...	24.181	-22.921	-1	C	...
...	41.225	-3.248	0.65	A	...	*	32.313	-2.843	1.00	47. 801	9.9	...	24.012	-6.993	0.70	...	...
101	151-210		211-270		211-270		211-270		211-270		211-270		211-270		211-270		

	-41.224	+33.993	0.65	...	...	...	-32.211	+21.155	-5	...	...	...	-24.009	-57.558	-4	M	...
	41.162	+50.531	-5	...	...	...	31.787	+57.117	0.85	46. 820	10.2	...	23.990	-6.325	0.70	...	...
	40.826	-25.723	-5	M	...	...	31.736	+57.915	-5	...	...	...	23.960	-47.086	-5	M	...
	40.786	+48.014	0.70	...	...	...	31.727	+41.829	-3	...	...	...	23.489	+19.879	-5	...	...
	40.544	+6.053	-5	...	...	...	31.552	-46.455	-2	...	...	...	23.419	-18.516	-1	A	...
	-40.416	-45.474	0.75	...	...	...	-31.398	-15.043	-4	M	...	...	-23.408	-37.803	-3	...	...
	40.178	+13.790	-5	...	...	*	31.230	-45.455	0.95	47. 802	10.2	...	22.834	+16.719	0.70	...	...
	39.957	-46.015	1.00	47. 796	9.6	*	31.219	+22.636	1.00	46. 821	10.0	*	22.823	-17.027	1.10	47. 807	9.6
111	39.899	+47.155	0.90	46. 814	10.2	...	31.082	-5.431	-5	M	...	...	22.630	+25.754	-4	...	...
	39.833	-45.511	-2	...	...	...	30.972	-51.268	-4	M	...	...	22.533	+49.196	1.00	46. 829	10.2
	171		231		231		231		231		231		231		231		
	...	...	...	...	...	...	...	...	...	...	...	...	-22.466	+40.767	0.65	...	...
	39.564	+48.994	-5	...	...	...	30.757	-26.314	-3	...	...	...	22.463	+13.865	-3	...	...
	39.272	-33.453	-4	M	...	...	30.590	-12.773	0.65	...	...	...	22.385	+41.162	-5	...	...
	39.253	+42.192	-1	...	...	...	30.431	-15.766	-5	M	...	...	22.153	-55.238	-5	M	...
	39.119	-35.216	-3	M	...	...	30.323	-8.189	-5	M	...	...	22.089	+33.189	-5	...	...
	-39.118	+57.624	-5	...	...	...	-30.198	+1.976	-3	...	...	*	-21.933	-29.628	-5	M	...
	39.116	+17.085	1.15	46. 815	9.6	...	29.674	-25.903	-1	B	...	...	21.912	+2.417	1.00	46. 830	10.0
121	39.058	+52.241	-4	...	...	...	29.642	-20.020	-5	M	...	...	21.883	-44.588	-5	M	...
	39.051	-47.476	-5	M	...	...	29.626	-6.536	0.70	B	...	...	21.814	-56.868	1.00	47. 808	10.2
	39.021	-49.777	-4	M	...	...	29.412	-54.202	-1	...	...	...	21.481	-33.156	-5	M	...
	181		241		241		241		241		241		241		241		
	...	...	...	...	...	...	-29.376	+46.815	0.70	...	...	...	-21.472	+42.024	-1	...	...
	38.211	+28.469	0.95	46. 816	10.2	*	29.221	+7.142	1.60	46. 822	8.6	*	21.332	-21.603	0.85	...	...
	38.021	-27.489	-3	M	...	...	29.195	-49.066	-5	M	...	...	21.296	+14.868	-4	...	...
	37.980	+3.109	0.75	...	...	...	29.103	-31.727	-1	B	...	...	20.651	-4.491	1.00	47. 809	9.5
	37.971	-7.248	-4	M	...	...	29.087	+41.386	-5	...	...	...	20.608	+21.548	0.75	46. 831	10.2
	37.721	-47.498	-4	...	...	...	-29.075	+33.420	-5	...	...	...	-20.062	+43.875	-5	...	...
131	37.624	+24.731	-3	...	...	...	29.073	+26.775	-5	...	...	...	19.592	-31.007	-4	M	...
	37.613	+26.556	0.65	...	...	...	28.904	+59.920	-1	...	...	...	19.510	-38.262	-5	M	...
	37.566	-25.660	-4	M	...	S*	28.757	+33.395	1.50	46. 823	8.6	...	19.342	-49.405	-5	M	...
	37.511	-15.210	-1	...	...	...	28.753	+52.590	0.90	46. 824	10.2	...	19.146	+22.314	-4	...	...
	191		251		251		251		251		251		251		251		
	...	...	...	...	...	...	-28.689	+57.802	1.40	46. 825	9.4	...	-18.941	-15.234	-5	M	...
	36.756	-55.881	-5	M	...	...	27.987	+11.206	-5	...	...	...	18.930	-18.670	-5	M	...
	* 36.688	-32.398	1.00	47. 797	9.8	...	27.908	+11.606	-2	...	...	*	18.730	+51.452	0.95	46. 832	10.2
	36.571	-52.531	-5	M	...	...	27.812	+32.124	-5	...	...	...	18.605	-27.523	-2	...	...
	36.492	-19.826	-5	M	...	...	27.785	-20.461	-5	M	...	...	18.438	-34.206	-3	...	...
141	36.347	+49.110	-4	...	...	*	-27.774	+4.222	1.00	46. 826	9.6	...	-18.389	-46.783	-4	M	...
	36.151	+45.776	-5	M	...	...	27.523	-20.570	-5	M	...	...	18.309	-9.421	0.85	47. 810	10.2
	36.105	-16.367	-5	M	...	*	27.522	+39.128	0.95	46. 827	10.0	...	18.214	+57.502	-5	...	...
	* 36.001	-23.078	1.00	47. 798	10.0	...	27.188	-21.537	-4	M	...	...	18.130	-0.515	-2	...	...
	35.704	+6.971	-5	M	...	*	26.852	-52.897	1.50	47. 803	9.6	S*	18.090	-16.104	1.40	47. 811	9.4
	201		261		261		261		261		261		261		261		
	...	...	...	...	...	...	-26.690	+57.389	-4	...	...	*	-18.041	+20.415	1.30	46. 833	9.1
	35.488	+34.079	-5	...	...	...	26.389	-28.875	0.75	47. 804	10.2	...	17.990	-57.159	-5	M	...
	35.451	+40.424	-3	...	...	...	26.301	+12.551	0.70	...	...	...	17.924	-0.066	-4	M	...
	35.251	-21.719	-4	M	...	...	26.112	-1.084	-1	B	...	...	17.695	+39.766	-3	...	...
	35.192	+13.230	-3	...	...	...	26.108	-25.183	-4	M	...	...	17.546	+9.514	-5	...	...
	-35.022	+7.858	-4	...	...	...	-26.023	-49.080	0.75	A	...	...	-17.430	+6.959	-4	...	...
	34.957	-12.817	-5	M	...	...	25.947	+36.183	-5	...	...	...	17.391	+45.365	-2	...	...
	34.880</td																

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
271-330																		
271	-16.766	+5.884	-5	o	...	331	-7.118	-14.976	-5	M m	...	391	* + 2.600	-10.677	1.30	47. 827	9.4	
*	16.429	+50.725	1.10	46. 834	9.8	...	7.055	-17.208	-5	M m	...	*	2.625	-0.300	1.05	46. 848	9.9	
...	16.397	+2.695	0.75	...	...	...	6.897	-32.699	-5	m	...	...	2.879	+34.828	-3	...	...
...	15.755	+27.746	-5	...	...	...	6.855	-7.721	-4	M m	...	...	3.637	-2.240	-4	M m	...
*	15.693	+24.807	1.10	46. 835	9.6	*	6.296	-15.657	1.00	47. 818	9.5	*	3.933	+32.581	1.00	46. 849	10.0	
...	-15.344	+28.466	-5	...	...	...	6.259	+6.635	-4	m	...	...	4.247	+42.988	-3	...	...
...	15.321	-50.459	-3	...	...	*	6.228	+3.108	0.90	46. 841	10.0	...	4.495	+35.626	-4	...	...
*	15.014	+26.233	1.00	46. 836	9.8	*	6.210	+0.746	1.05	46. 842	9.6	...	4.541	-53.048	-5	M m	...	
†	14.938	+38.050	-3	...	...	...	6.094	+12.426	0.70	...	...	†	5.000	-53.924	-5	M m	...
†	14.715	-14.621	0.75	47. 813	10.2	S *	5.338	-45.557	2.10	47. 819	8.0	†	5.003	-3.009	-5	M m	...	
281	-14.332	+55.728	-4	...	...	...	5.165	+24.977	0.65	...	...	401	+ 5.413	+49.597	-3	...	...
...	14.326	-56.593	-3	...	...	...	4.934	-56.736	-1	...	...	*	5.437	+44.460	0.95	46. 850	9.9
...	14.214	-17.752	-5	M	...	...	4.766	+34.145	-5	...	...	...	5.486	-37.667	-5	M m	...
...	13.926	+34.578	-5	...	...	...	4.575	+32.742	-4	...	...	...	5.518	+30.212	1.00	46. 851	9.8
*	13.913	-43.305	0.80	...	...	*	4.537	+58.175	1.00	46. 843	9.8	...	5.681	+19.572	-3	...	...
...	-13.895	+8.460	-5	...	...	...	4.287	+52.098	0.70	...	...	...	+ 5.870	-6.833	-4	M m	...
...	13.691	-37.828	-4	...	...	*	4.205	+8.033	1.00	46. 845	10.0	...	5.950	-7.389	-4	M m	...
...	13.657	+50.956	-4	...	...	*	4.163	+59.218	1.15	46. 844	9.2	...	6.095	-4.153	-4	M m	...
...	13.557	+8.504	-1	...	...	...	4.136	-4.891	-4	M m	...	...	6.215	-49.641	-5	M m	...
...	13.315	-51.617	-3	...	...	...	3.773	-43.710	0.80	...	...	...	6.258	+19.073	-5	m	...
291	-13.243	-19.335	-5	M	...	...	3.646	-42.534	-5	M m	...	411	+ 6.269	-23.374	-5	M m	...
...	13.224	-24.548	-5	M	...	...	3.600	-10.569	0.70	...	...	*	6.356	+ 2.992	0.75	46. 852	10.2
...	13.143	-3.715	-4	M	...	...	3.564	-3.831	-5	M m	...	...	6.439	-35.930	0.70	47. 828	10.2
†	13.046	+60.060	-5	...	...	...	3.379	-28.528	0.70	...	...	...	6.607	-53.169	-5	M	...
...	12.666	-31.843	-4	M	...	...	3.138	+23.461	-5	M m	...	...	6.617	+18.854	-4	...	...
*	12.604	-27.574	1.00	47. 814	9.9	...	2.900	+43.965	0.80	...	...	...	+ 6.624	+31.961	-3	...	...
...	12.427	+39.997	-3	...	...	...	2.698	+14.899	0.80	...	...	*	6.656	-42.644	1.00	47. 829	10.0
...	12.191	+51.706	-5	...	...	...	2.584	+41.793	-5	m	...	...	6.880	-57.555	-5	M m	...
...	12.014	-30.522	-5	M	...	...	2.584	-4.797	0.70	m	...	...	7.055	+10.508	-5	M	...
...	11.753	-46.964	-4	M	...	...	2.367	+3.650	-5	M m	...	...	7.541	-12.867	-5	M m	...
301	*	-11.534	+42.109	1.00	46. 837	10.0	...	2.282	-32.379	-5	M m	...	421	+ 7.814	-40.402	0.85	47. 830	10.2
...	11.399	+46.833	0.70	...	...	...	1.917	-16.589	-4	M m	...	...	8.106	+23.568	-5	...	...
...	11.329	-37.820	-4	M	...	...	1.872	+51.092	0.90	46. 846	10.0	*	8.137	-40.055	1.00	47. 831	10.2
*	10.816	-46.847	1.05	47. 815	9.8	...	1.828	-46.613	-5	M m	...	...	8.227	-17.698	-2	...	...
...	10.813	+10.039	-5	...	...	...	1.767	-33.912	-5	M m	...	...	8.362	+48.045	-4	...	...
...	-10.744	-15.337	-5	M	...	...	1.746	-32.548	-3	M m	...	...	+ 8.787	-31.987	-3	M	...
...	10.453	-34.053	-5	M	...	...	1.551	-11.647	-4	M m	...	...	8.807	+17.818	-5	...	...
...	10.210	+42.561	-5	...	...	...	1.462	+14.568	-5	M m	...	...	8.970	+53.154	-5	...	...
...	10.185	+41.627	-1	...	...	...	0.933	+43.949	-5	...	...	...	9.067	+30.305	0.70	46. 853	10.2
S †	9.955	+4.342	1.80	46. 838	8.4	*	-0.893	-55.023	1.80	47. 820	8.8	...	9.198	-8.809	-3	...	...
311	*	-9.944	-34.299	0.75	47. 816	10.2	...	0.662	+36.929	-5	431	+ 9.336	-40.990	-3
...	9.904	-25.838	-5	M	...	...	0.153	+53.534	-4	...	...	*	9.481	-35.891	0.85	47. 832	10.2
...	9.666	-35.930	-4	M	...	*	0.262	-21.568	1.00	47. 821	9.8	...	9.501	+38.139	-4	...	...
...	9.502	-9.345	0.70	...	...	...	0.504	-51.348	-4	M m	...	...	9.502	-32.297	-3	...	...
...	9.205	-36.110	-5	M m	...	*	0.923	+49.693	0.90	46. 847	10.2	...	10.160	-2.763	-3	...	...
†	-9.125	-44.556	0.80	...	...	...	+ 0.956	-51.685	0.85	47. 822	10.2	...	+ 10.696	-30.912	-5	m	...
...	8.989	-31.278	0.70	...	...	...	1.018	+22.126	-5	...	...	...	10.719	-20.117	-5	m	...
...	8.909	+17.962	0.75	...	...	...	1.463	+44.617	-4	...	...	*	10.782	-47.357	0.95	47. 833	9.9
...	8.167	+1.399	-5	m	...	*	1.467	-31.663	0.95	47. 823	10.2	*	10.852	-46.675	1.00	47. 834	9.6	
...	8.095	-28.525	-4	M m	...	...	1.512	+55.901	-5	...	...	...	11.426	-49.819	0.80	...	...
321	*	-8.088	+14.397	0.70	...	...	+ 1.556	+14.234	-3	...	...	441	+ 11.460	-31.527	-5	m	...
...	7.959	-21.666	-5	M m	...	...	1.609	-36.065	-4	M m	...	...	11.477	+ 3.322	0.70	...	...
*	7.907	+0.641	1.00	46. 839	9.6	...	1.844	-24.975	-3	m	...	...	12.291	+58.888	0.65	...	...
...	7.860	-50.155	0.80	...	...	...	1.864	+26.515	-5	...	...	...	12.450	-39.218	-1	a	...
...	7.750	+23.915	-5	m	...	*	1.993	+25.182	-4	...	...	...	12.659	-42.602	-5	m	...
...	-7.714	+14.052	0.70	...	...	*	+ 2.050	-27.253	1.40	47. 825	8.8	*	+ 12.793	+30.134	1.30	46. 854	9.0
*	7.388	+35.992	1.10	46. 840	9.1	*	2.122	-46.198	0.85	47. 826	10.2	*	12.987	-26.136	1.60	47. 835	8.6	
...	7.284	-7.809	-5	M m	...	...	2.395	+52.721	-4	...	...	...	13.069	+40.673	-5	...	...
*	7.264	-39.130	0.90	47. 817	10.2	...	2.480	+4.654	-5	m	...	...	13.283	+12.427	0.80	46. 855	10.2
...	7.243	-28.772	0.70	...	...	...	2.590	+55.829	-5	...	...	...	13.283	-57.030	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
451-510																	
451	+13°467	+27°510	-5	o	...	511	+23°665	+31°894	-3	o	...	571	+31°087	+11°423	0°70	46°877	10·2
...	13°467	-55°653	-5	m	...	...	23°897	-33°356	-3	...	...	...	* 31°145	-22°351	1°00	47°845	9·8
...	13°687	+53°710	-5	...	...	...	24°064	-38°671	-5	m	...	...	31°220	-11°658	-5	m	...
...	13°805	+26°538	-4	...	...	...	24°173	-52°693	-1	...	...	...	31°421	-40°160	-5	m	...
...	13°850	-24°767	-5	m	...	...	24°343	-16°156	0·80	...	...	...	31°554	+57°722	-5	...	...
...	+14°086	-49°468	0·65	...	...	...	+24°799	-20°647	-3	...	...	...	+31°630	+5°668	0°70	...	...
*	14°305	-37°517	1·00	47°836	10·0	...	24°802	-29°736	-4	m	...	...	31°666	+28°546	-3	...	...
...	14°506	+33°387	-4	...	...	...	24°872	+38°066	-3	...	...	...	32°669	-44°007	-5	m	...
...	14°564	+49°626	0·70	...	...	*	24°874	+36°740	1·40	46°868	9·0	...	32°726	+55°651	-5	...	...
...	14°577	-15°862	0·75	...	...	*	25°131	+31°507	1·00	46°869	9·9	S*	32°792	-11°315	1·50	47°846	8·6
461	+14°663	+43°206	-5	...	...	521	+25°412	-12°075	-5	m	...	581	+33°219	-49°936	-5	m	...
...	14°704	-17°830	-4	m	...	...	25°427	+32°491	-4	...	...	...	33°281	+45°813	-3	...	...
...	14°756	+38°400	-5	...	...	*	25°494	+14°520	1·00	46°871	10·0	*	33°297	+17°985	0·90	46°878	10·2
...	14°892	+60°024	-5	...	...	...	25°502	+55°035	0·70	46°870	10·2	...	33°417	-52°520	-5	m	...
†	14°969	+1°498	0·80	46°856	10·0	...	25°826	+14°055	-5	...	...	...	33°964	-1°418	0·95	47°847	9·9
...	+15°089	+16°711	0·75	...	...	...	+25°894	-15°662	-5	m	...	...	+34°160	+36°550	0·75	...	...
...	15°478	+16°951	-5	m	...	...	25°896	+7°872	-2	...	...	...	34°213	-35°754	0·65	...	...
...	15°824	+48°726	-5	...	...	...	26°129	+40°557	-4	...	...	...	34°613	-7°796	0·65	...	...
*	15°837	+10°504	1·20	46°857	9·0	...	26°142	-45°703	-4	m	...	...	34°653	-50°210	0·85	47°848	10·2
...	15°919	+37°044	-5	...	...	...	26°144	-23°497	-2	...	...	...	34°782	+38°216	0·80	...	...
471	+16°128	+36°374	-5	...	...	531	+26°500	+28°521	-5	...	...	591	+34°790	+53°461	-1	...	...
*	16°771	+34°753	1·00	46°858	9·6	...	26°522	+16°949	-5	...	...	...	34°798	-31°773	0·90	...	...
...	16°912	-2°530	-5	m	...	*	26°541	-15°557	1·40	47°840	8·8	...	34°970	+33°271	0·65	...	...
...	17°124	-25°423	0·70	...	...	...	26°550	+2°106	-4	...	...	...	35°068	-28°510	0·65	...	...
...	17°167	+27°993	-5	...	...	...	27°021	-37°403	-2	...	...	...	35°168	+48°690	-5	...	...
...	+17°323	-29°077	0·70	...	...	...	+27°068	-35°534	-3	m	...	...	+35°253	+52°684	-5	...	...
...	17°391	-11°158	0·85	47°837	10·2	...	27°189	-26°624	0·70	...	...	...	35°279	-25°424	-5	m	...
...	17°409	+30°674	0·90	46°859	10·0	*	27°345	-49°780	1·15	47°841	9·8	...	35°282	-1°318	-5	m	...
...	17°455	-55°775	-4	...	...	...	27°407	+33°928	0·70	...	...	...	35°598	+14°896	-4	...	...
...	17°806	-47°042	-3	b	...	...	27°582	-43°947	-5	m	...	...	35°636	+17°514	0·80	46°879	10·2
481	+17°903	+57°400	0·80	...	...	541	+27°698	+18°224	-4	...	...	601	+35°708	+2°885	0·95	46°880	10·2
...	18°197	+3°180	-4	...	...	...	27°835	-12°739	-4	m	...	...	36°039	+39°611	-5	...	...
...	18°304	-55°014	0·80	...	...	...	27°872	-39°996	-4	m	...	...	36°307	+15°101	-4	...	...
*	18°459	+41°353	1·00	46°860	9·8	...	27°990	+25°338	-4	...	...	...	36°321	+42°891	0·90	46°882	10·2
...	18°461	-23°068	0·70	...	...	*	28°022	+31°299	1·20	46°872	9·4	...	36°430	-36°082	0·85	...	...
*	+18°807	+11°617	0·85	46°862	10·2	*	+28°115	+23°666	0·90	46°873	10·2	...	+36°464	+25°739	0·70	...	...
...	18°965	+30°379	0·70	46°861	10·2	...	28°433	-15°505	-4	m	...	...	36°511	+56°892	1·40	46°881	9·6
*	19°011	+14°774	1·60	46°863	8·8	*	28°687	+33°431	1·05	46°874	9·6	...	36°540	-39°406	-5	m	...
...	19°061	+3°759	-5	m	...	...	28°697	-12°303	0·75	47°842	10·2	...	36°647	-55°354	0·90	47°849	10·2
...	19°132	+41°388	-5	...	...	...	28°853	+32°155	-3	...	...	...	36°706	-0°277	-5	m	...
491	+19°178	-7°185	-5	m	...	551	+28°923	-46°043	-4	m	...	611	+36°733	+8°821	0·65	...	...
...	19°540	+28°364	0·70	...	...	...	29°069	+22°798	-3	...	...	...	36°849	+6°403	-5	m	...
...	19°777	-33°156	-3	m	...	...	29°187	-51°953	0·90	47°843	10·2	†	36°944	+0°290	0·65	...	...
S†	19°922	+26°810	1·70	46°864	8·4	...	29°220	-33°922	-5	m	...	...	37°124	-7°749	0·80	...	...
...	20°380	-52°685	-3	m	...	...	29°241	+4°593	-3	...	...	...	37°317	-38°673	1·05	47°850	9·8
S*	+20°506	+58°705	1·40	46°865	9·0	...	+29°364	+5°950	-5	...	...	...	+37°461	+16°668	-5	m	...
...	20°854	+12°594	-3	...	...	...	29°385	+45°513	-5	...	...	...	37°496	-2°405	-5	m	...
*	20°971	+21°273	0·90	46°866	10·2	...	29°386	-42°146	-4	m	...	...	37°608	+50°856	-5	...	...
...	21°201	-4°916	0·75	47°838	10·2	...	29°394	-47°892	-5	m	...	...	37°644	-9°393	0·70	...	...
†	21°500	-54°535	-4	...	...	...	29°447	-12°761	-4	m	...	...	37°681	+41°329	0·90	...	...
501	+22°229	-58°530	-5	m	...	561	+29°705	+15°107	1·00	46°875	10·2	...	+37°681	-23°556	-4	m	...
*	22°302	+55°648	0·95	46°867	10·0	...	30°016	-29°143	-4	m	...	...	37°774	-51°928	-3	...	...
...	22°324	-2°962	0·65	...	...	...	30°274	+49°091	0·65	...	...	...	38°100	-24°538	0·65	a	...
*	22°530	+51°497	-5	...	...	...	30°278	+30°428	-5	...	...	S*	38°147	+36°542	1·90	46°883	8·6
...	22°678	-6°857	0·90	47°839	10·2	...	30°281	-32°731	-3	m	...	...	38°349	-51°711	-3	...	...
...	+22°904	+13°841	-4	...	...	...	+30°600	+29°776	-4	...	...	...	+38°523	+49°552	-2	...	...
...	22°996	-56°422	-5	m	...	...	30°683	-5°643	0·65	...	...	...	38°589	-22°017	0·65	...	...
...	23°379	-51°890	-3	...	...	...	30°789	-15°541	-2	b	...	...	38°603	+5°775	0·65	...	...
...	23°418	-14°245	-5	m	...	...	30°893	+28°401	0·80	46°876	10·2	...	38°971	-3°480	0·80	...	...
...	23°474	+25°276	-3	...	...	*	30°991	-24°539	1·05	47°844	9·6	...	39°180	+7°121	-5	...	...

561. Mass. 46°40, two stars.

- 47°

No. 39

CAPE ASTROGRAPHIC ZONE.

1903·03

6^h 25^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.			
631-670																				
631	...	+39°232	+52°687	-4	o	...	...	+46°772	-2°456	-5	o	e	...	...	+53°817	+21°955	0°75	o	...
...	...	39°739	+0°089	-4	m	...	...	47°034	-6°703	-5	e	...	...	...	54°028	-5°740	-5	e	...
†	39°961	-10°908	-4	m	...	...	...	47°056	-57°091	-5	...	...	...	...	54°154	+55°820	-2	...	...
†	39°968	+31°625	-3	...	...	...	...	47°068	-29°737	-4	m	...	...	...	54°274	-18°360	0°80	47°859	10°2
...	40°061	-54°087	0°95	47°851	10°0	...	...	47°111	+46°205	-5	...	...	...	...	54°530	+32°128	-4	...	...
...	+40°607	-35°537	-5	m	...	...	...	+47°212	+52°316	0°70	46°885	10°2	...	...	+54°623	+23°451	0°65	...	...
...	40°672	-20°596	-5	m	...	...	...	47°236	+53°176	-5	...	...	...	...	54°851	+14°118	0°65	...	...
...	40°713	+38°891	-4	...	...	...	...	47°268	+2°137	-5	e	...	...	...	54°981	+39°326	-1	...	...
S *	40°743	-51°851	2°30	47°852	7°3	S *	47°496	+5°740	1°40	46°886	9°2	...	...	...	55°233	+32°282	-3	...	...
...	40°923	+47°637	-4	...	...	...	...	47°735	+16°738	0°80	46°887	10°2	...	...	55°285	-16°880	0°65	...	...
641	...	+40°956	-1°541	-4	m	...	681	...	+47°894	-42°104	1°20	47°857	9°5	721	*	+55°357	-16°564	1°00	47°860	9°9
...	41°107	-26°580	-4	m	...	...	...	48°114	-35°148	-4	...	...	...	*	55°694	-21°834	1°10	47°861	9°6
...	41°168	-57°850	-5	...	...	...	...	48°327	+40°955	-3	...	...	...	...	55°712	+42°699	-5	m	...
...	41°372	+47°473	-4	...	...	...	...	48°379	+18°560	0°85	...	...	...	...	55°772	-35°256	-5	m	...
*	42°388	-22°931	1°00	47°853	10°2	...	...	48°690	-23°192	0°65	...	...	...	...	55°831	-21°383	-1	...	...
...	+42°398	-36°653	-5	e	...	...	...	+48°895	-23°657	-3	...	...	...	...	+55°988	+3°026	-2	...	...
...	42°979	+15°741	-2	...	...	...	...	49°058	-18°167	-5	e	...	...	*	56°261	+54°383	1°80	46°893	8°8
...	43°284	+45°959	-5	m	...	...	...	49°111	+27°479	-1	...	...	...	...	56°735	+37°804	-5	e	...
...	43°419	-41°919	-5	e	...	...	...	49°153	-45°851	-3	...	...	...	...	57°069	-7°447	0°65	e	...
...	43°534	+20°502	-5	...	...	...	...	49°194	+20°532	0°75	...	...	...	...	57°170	+29°228	0°80	...	...
651	...	+43°616	-8°352	-4	e	...	691	...	+49°239	+37°522	0°85	46°888	10°2	731	...	+57°441	-16°430	-4	e	...
...	43°695	+20°088	-4	...	...	...	...	49°346	-19°718	-5	e	...	...	...	57°445	+28°431	0°70	...	...
...	43°730	+38°112	-5	...	...	...	...	49°483	-13°008	-5	e	...	...	...	57°589	+7°543	-5	...	...
...	43°830	-15°308	-5	e	...	...	...	50°562	+50°444	1°00	46°889	10°2	*	...	57°605	-56°274	1°70	47°862	8°8
...	43°965	-46°608	-5	e	...	...	...	50°703	-26°197	0°70	e	...	...	...	57°653	-39°047	0°70	...	...
...	+44°054	+18°161	-5	...	...	...	...	+50°786	+46°026	0°80	...	...	...	...	+57°704	+40°460	-4	...	...
...	44°331	+28°689	-4	...	...	...	...	50°986	+15°822	-5	e	...	...	...	57°874	+55°237	-5	...	...
...	44°497	-16°486	-5	m	...	...	...	51°036	-0°526	0°70	f	...	...	...	58°095	+34°304	0°75	...	...
...	44°815	-29°482	0°95	47°854	10°2	...	...	51°224	-19°166	-4	e	...	...	...	58°332	+9°191	-5	...	...
...	44°951	+46°513	1°40	46°884	9°2	...	...	51°409	-2°818	0°80	47°858	10°2	...	...	58°509	+37°256	-5	...	...
661	...	+45°082	-17°386	-5	e	...	701	...	+51°437	+9°974	0°80	46°890	10°0	741	...	+58°513	+33°148	-5
*	45°228	-16°602	1°00	47°855	9°9	...	...	51°487	-13°336	0°70	...	...	...	...	58°529	-10°199	0°80	...	...
...	45°236	-42°330	-5	e	...	...	...	51°537	+9°827	-5	...	...	...	...	58°529	-17°452	0°90	47°863	10°2
*	45°290	-34°236	1°20	47°856	9°5	...	...	51°870	-50°413	0°85	...	...	...	...	58°812	+14°726	-4	...	...
...	45°480	+8°802	-4	...	...	...	...	52°255	-38°726	0°70	e	...	...	...	58°969	+29°833	-2	...	...
...	+45°996	-57°306	-5	...	...	...	...	+52°339	+16°485	1°00	46°892	10°2	S *	+	59°149	-25°751	2°00	47°864	8°4
...	46°159	-0°352	0°70	f	...	...	...	52°699	+39°977	1°15	46°891	10°0	...	...	59°208	-17°983	-5	e	...
...	46°189	-21°850	-4	e	...	...	...	52°937	+39°661	0°80	...	...	...	...	59°287	-54°101	-1	...	...
...	46°308	-9°631	-4	e	...	...	...	53°102	-14°323	-5	e	...	...	*	59°497	-22°268	1°00	47°865	10°0
...	46°767	+39°736	-1	...	...	...	...	53°209	+33°565	-5	...	...	...	...	...	...	...	...	...

- 47°

No. 40

D, -1

1898·03

6^h 35^m

1-10					11-20					21-30							
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI		
S *	-60°178	-28°788	-5	°M	...	*	-58°845	+46°295	2°00	46°884	9°2	...	-57°022	-2°567	-5	°M	...
...	59°909	-52°165	3°60	47°852	7°3	...	58°829	+17°906	-5	...	...	...	57°012	+26°968	-5	M	...
...	59°830	+15°481	0°70	...	...	...	58°751	-36°915	-5	E	...	...	56°859	-46°819	-3	E	...
...	59°804	+37°862	-5	...	...	...	58°432	-8°600	0°70	E	...	...	56°829	+39°579	0°85	...	...
...	59°420	+20°257	-5	...	...	...	58°138	+27°365	-5	...	...	...	56°801	-32°190	-5	M	...
...	-59°301	-58°145	-3	...	...	...	-58°001	-15°538	-5	E	...	...	-56°768	+53°020	-1	...	...
...	59°260	+19°837	-1	...	...	...	57°581	-42°153	-5	E	...	...	56°766	+52°168	0°90	46°885	10°2
*	59°202	-23°203	1°10	47°853	10°2	...	57°483	+2°145	-5	...	...	...	56°686	-17°583	-5	E	...
...	59°002	+12°200	-5	...	...	...	57°400	+42°211	-5	...	...	...	56°671	+46°054	-3	...	...
...	58°909	+28°460	-1	...	...	...	57°119	+8°609	0°70	...	...	*	56°569	-16°772	1°10	47°855	9°9

NM measured from 1, 145, 288, 428, 576, 695.

C " " 80, 231, 370, 504, 633, 776.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.	Mag.		
31-90																			
31	-56·559	-29·673	1·00	47·854	10·2		91	-48·501	+19·959	-5	σ		151	-39·711	+34·472	1·80	46·899	8·7	
*	56·154	-0·510	0·85	F			...	48·465	+23·549	-1	...		*	39·665	+8·491	0·95	46·898	10·2	
*	55·936	-34·420	1·50	47·856	9·5		...	48·110	+32·380	-2	...		...	39·465	-52·157	-5	M	
...	55·736	-42·506	-4	E			...	48·109	-5·659	-3	E		...	39·306	+12·218	0·75	...		
...	55·707	-9·791	0·65	E			...	47·903	+14·217	0·70	...		...	39·278	+41·790	-5	...	
...	-55·460	-2·599	-5	E			*	-47·799	+54·510	2·00	46·893	8·8	...	-39·276	-15·400	-5	M		
...	55·433	-22·011	-4	E			...	47·468	-18·248	0·90	47·859	10·2	...	39·122	-53·338	-5	M		
+	55·279	+40·844	0·85	...			...	47·156	+41·696	-5	...		...	39·092	+2·589	0·80	...	
*	55·124	+16·621	0·90	46·887	10·2		...	46·783	+37·959	-5	E		...	39·088	-30·080	-4	M		
...	55·119	+1·997	-5	E			...	46·485	-16·745	0·70	...		...	38·911	+31·499	-5	...	
41	91-150																		
...	-55·071	-6·835	-2	E			101	-46·430	-16·425	1·10	47·86c	9·9	161	-38·761	+48·414	1·00	46·900	10·2	
S *	55·008	+5·627	1·80	46·886	9·2		...	46·423	+3·159	-3	...		*	38·690	-49·993	-5	M		
...	54·805	-47·348	-5	M			...	46·304	-59·503	-5	M		...	38·506	+39·499	0·85	...		
...	54·549	-38·924	-5	M			...	46·222	+55·404	-4	...		*	38·442	-14·197	1·80	47·866	9·0	
*	54·538	+18·464	1·00	...			...	46·087	+29·387	0·90	...		*	38·340	+45·530	1·20	46·901	9·8
...	54·508	-57·445	-4	...			*	-45·946	-21·681	1·30	47·861	9·6	*	-38·160	+35·728	1·20	46·902	9·5	
...	54·298	+37·439	0·95	46·888	10·2		...	45·944	-24·208	-5	M		*	38·143	-17·218	0·95	47·867	10·0	
...	54·081	+27·393	0·80	...			...	45·901	-48·978	-5	M		...	38·107	-10·511	0·70	...	
...	53·969	-56·836	-5	M			...	45·899	+40·631	-4	...		...	38·038	-3·298	-5	M	
*	53·780	+20·461	1·00	...			...	45·798	-21·231	-1	...		...	37·577	+23·967	0·70	...	
51	151-210																		
...	-53·707	-29·747	-5	M			III	-45·789	+28·608	0·80	171	-37·571	+17·696	-5	...	
...	53·454	+15·630	-5	...			†	45·304	+34·495	0·65	...		...	37·429	-38·726	-5	M	
...	53·441	-57·199	0·75	...			...	45·016	-7·264	-1	E		*	37·202	+29·141	1·00	46·903	10·0
*	53·371	+50·384	1·10	46·889	10·2		...	45·002	+37·454	-4	...		*	36·838	+23·201	1·10	46·904	9·8	
*	53·073	-42·197	1·90	47·857	9·5		...	44·981	+7·730	-4	...		...	36·730	+29·179	-1	...	
*	-53·065	-35·232	0·70	...			...	-44·873	+33·356	-3	...		...	-36·596	+28·472	-5	M	
*	52·999	+45·996	1·00	...			...	44·631	-39·193	-5	M		...	36·578	+4·653	-5	M	
...	52·951	-43·220	-5	M			...	44·495	-42·234	-5	M		...	36·577	-7·758	0·80	...		
...	52·888	-23·264	0·90	...			...	44·350	-16·232	-4	E		...	36·436	+29·812	0·70	...	
...	52·800	+22·049	-5	...			...	44·303	+30·070	-1	...		...	35·913	-1·823	0·70	...	
61	121																		
...	-52·776	-12·281	-5	M			...	-44·281	+9·416	-4	181	-35·787	+27·083	-5	...	
...	52·684	-23·716	0·70	...			†	43·966	+14·958	-5	...		...	35·639	+0·535	0·85	...	
...	52·680	-18·229	-4	E			†	43·466	-9·965	0·65	...		...	35·601	+56·223	-5	...	
...	52·431	-13·069	0·70	E			...	43·438	-38·844	0·80	...		...	35·542	+29·664	-4	...	
...	52·354	-19·768	-1	E			*	43·260	+54·186	1·05	46·894	10·2	...	35·506	-40·033	0·70	C		
...	-51·853	+15·804	-5	E			...	-43·240	-17·218	0·90	47·863	10·2	...	-35·501	-43·295	-5	M		
...	51·715	-45·894	0·85	...			*	42·926	-56·046	2·00	47·862	8·8	...	35·396	-44·144	-4	M		
...	51·268	-0·932	-5	M			...	42·546	-17·727	-4	E		...	35·305	+50·660	-4	...		
...	51·266	-0·534	0·75	F			S *	42·356	-25·494	2·60	47·864	8·4	...	35·030	-48·160	0·85	...		
+	51·196	+9·966	0·95	46·890	10·0		...	42·141	+38·724	-4	...		...	34·998	-44·985	0·70	A	
71	131																		
...	-51·085	+9·828	-3	...			*	-42·130	-21·998	1·10	47·865	10·0	...	-34·919	-50·395	0·70	B		
*	50·894	+39·995	1·15	46·891	10·0		...	42·107	+48·974	1·05	46·895	10·2	...	34·790	+2·751	-5	...		
...	50·837	+38·582	-5	M			...	41·845	-3·562	-3	M		*	34·765	-7·065	1·20	47·868	9·6	
*	50·823	-2·818	0·95	47·858	10·2		...	41·655	+14·891	-4	...		...	34·745	-6·717	-5	M	
...	50·785	-26·206	0·70	E			...	41·580	-20·500	-5	M		...	34·697	-13·335	-5	M		
*	-50·642	+39·701	0·80	...			...	-41·536	+16·458	-5	...		...	-34·630	+37·954	0·75	...	
*	50·517	+16·515	1·00	46·892	10·2		...	41·453	-58·060	-5	M		...	34·532	-26·212	0·70	...		
...	50·490	-19·155	0·70	E			...	41·417	+46·237	-5	...		...	34·426	-54·732	-5	M	
...	50·419	-13·330	0·85	...			*	41·400	+31·496	1·00	46·896	10·0	...	34·368	-10·591	0·80	...		
...	50·189	+33·602	-5	...			...	41·315	-53·820	0·85	...		...	33·918	+25·083	-5	...	
81	201																		
...	-49·959	+55·881	0·80	...			...	-41·173	-24·157	0·70	...		...	-33·888	-54·471	0·85	...	
...	49·229	+22·020	0·90	...			...	40·994	+54·154	-4	...		...	33·803	+45·549	-5	...	
...	49·137	+59·435	-5	...			...	40·731	-48·098	1·00	...		...	33·776	+15·995	-5	M	
...	49·096	+6·862	-5	M			...	40·640	+10·240	-5	...		...	33·769	-27·220	-1	D	
...	48·999	-0·078	-5	M			...	40·162	-6·659	-5	M		...	33·757	+24·510	-5	...		
...	-48·838	-50·385	0·75	...			...	-40·032	-35·131	-5	M		...	-33·543	-13·477	-5	M	
...	48·837	-38·676	0·70	E			*	39·987	+1·126	0·95	46·897	10·0	...	33·514	-44·462	-4	M		
...	48·828	+32·208	-2	...			...	39·965	+24·259	0·85	...		...	33·432	-29·175	-3	M	
...	48·783	-14·265	-5	E			...	39·726	+57·877	-5	M		...	33·316	-9·192	-5	M		
...	48·588	+39·422	-2	...			...	39·724	-39·017	-5	M		*	33·267	L 8·462	1·15	46·905	9·9

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
211-270																	
211	-32° 722	-45° 811	1° 00	47° 869	10·2	...	-23° 130	-49° 215	-3	...	...	...	-15° 724	+13° 947	-5	M	...
S *	32° 470	+34° 033	2° 70	46° 906	8·2	...	23° 107	-9° 165	0° 90	47° 877	10·2	...	15° 602	-53° 911	0·65	A	...
†	32° 413	+24° 956	-5	...	...	...	23° 065	-2° 835	-4	M	...	*	15° 481	+8° 935	1·20	46° 920	9·6
...	32° 385	+29° 162	0·70	...	...	*	23° 019	+4° 459	1° 10	46° 912	9·9	...	15° 128	-20° 692	0·65	A	...
...	32° 332	+23° 079	-5	M	...	...	22° 951	-26° 399	-5	M	...	...	15° 081	+55° 595	0·70	...	...
...	32° 253	-19° 345	0·80	...	...	...	22° 710	+17° 633	0·85	46° 913	10·2	...	-14° 904	+43° 485	0·70	...	...
...	32° 095	+3° 201	-5	M	...	...	22° 137	-21° 780	-2	...	...	...	14° 742	-49° 393	-1	B	...
...	32° 041	+43° 675	-5	...	...	...	22° 055	-17° 497	-4	M	...	...	14° 318	-34° 210	-5	M	...
...	32° 003	-48° 395	0·65	D	...	...	21° 467	-16° 144	-3	M	...	*	13° 615	+46° 674	1·05	46° 921	9·9
...	31° 996	+57° 073	-3	...	...	...	21° 220	+28° 301	-4	...	...	...	13° 609	+52° 726	0·70	...	...
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	-31° 853	-0° 913	-5	M	...	...	-21° 202	-34° 178	-4	M	...	...	-13° 391	+4° 721	-5	...	...
...	31° 837	-46° 887	-5	M	...	...	21° 177	-9° 430	0° 90	...	...	...	13° 370	-41° 204	-5	M	...
...	31° 488	+54° 911	-4	...	...	...	21° 172	-42° 130	0° 90	...	...	...	13° 294	-35° 026	-5	M	...
...	31° 256	+56° 665	0·95	...	...	...	21° 137	+8° 479	-5	...	...	...	13° 256	+33° 697	-5	...	...
...	30° 943	-38° 569	-1	D	...	...	21° 137	-55° 545	-3	...	...	...	13° 170	+48° 195	0·70	...	...
...	-30° 829	+45° 621	0·65	...	...	*	-21° 012	-21° 080	3° 20	47° 878	8·0	...	-13° 038	-16° 656	-5	M	...
...	30° 768	-3° 085	0·85	...	...	*	20° 500	+29° 467	1° 00	46° 914	10·2	...	12° 941	+45° 874	0·70	...	...
...	30° 539	+1° 886	0·65	...	...	*	20° 179	-12° 061	2° 00	47° 879	8·8	...	12° 893	-1° 237	0·70	B	...
*	30° 499	+26° 040	2° 00	46° 907	8·8	...	20° 069	+13° 425	-5	...	...	*	12° 625	+18° 418	0·90	46° 923	10·2
*	30° 447	+39° 216	1° 00	46° 908	10·2	...	20° 051	+56° 054	-5	...	...	*	12° 610	+54° 733	0·85	46° 922	10·2
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	-30° 212	-23° 412	-2	...	...	...	-19° 815	-35° 283	-5	M	...	*	-12° 498	+37° 042	2·40	46° 924	8·6
...	30° 066	-23° 047	-3	M	...	...	19° 734	+7° 496	-5	...	...	...	12° 471	+6° 721	-5	...	...
...	29° 946	-29° 041	-5	M	...	...	19° 644	-39° 133	-5	M	...	*	12° 104	+45° 118	1·05	46° 925	10·2
...	29° 861	+21° 481	-5	...	...	...	19° 641	-25° 947	0·65	B	...	...	12° 092	+31° 214	-5	...	...
*	29° 579	-52° 706	1° 30	47° 870	9·6	...	19° 597	+9° 003	0·80	...	...	...	11° 973	+51° 216	-5	M	...
...	-29° 491	+56° 052	-5	...	...	...	-19° 289	-18° 422	-5	M	...	...	-11° 965	+14° 413	-2	...	...
...	29° 465	-32° 956	-5	M	...	+	19° 266	+4° 985	1° 00	46° 915	10·2	...	11° 746	-20° 441	0·70	...	...
*	29° 345	-17° 841	3° 00	47° 871	8·0	...	19° 197	-2° 529	-5	M	...	...	11° 725	+59° 509	0·85	45° 957	10·2
...	29° 278	-32° 835	-5	M	...	*	19° 073	+0° 894	1° 05	46° 916	9·8	...	11° 475	+53° 903	0·75	...	...
...	29° 084	+54° 294	1° 00	46° 909	10·2	...	19° 058	+43° 530	0·70	...	...	...	11° 423	-51° 904	-5	M	...
241	...	...	...	...	...	301	...	...	...	...	...	361	...	...	...	...	...
...	-29° 020	+53° 467	1° 00	46° 910	10·2	...	-19° 011	+24° 814	-5	...	...	...	-11° 216	-32° 665	-5	M	...
...	28° 241	+50° 124	-3	...	...	...	18° 987	-32° 878	0·75	...	...	...	11° 149	-13° 844	-4	M	...
...	28° 137	+16° 685	-4	...	...	S *	18° 602	-54° 295	2·10	47° 880	8·4	...	10° 873	+34° 161	0·65	...	...
...	27° 995	+37° 820	1° 00	46° 911	10·2	...	18° 281	-55° 845	-5	M	...	...	10° 826	-1° 330	-5	M	...
...	27° 803	-23° 899	-4	M	...	...	18° 245	-35° 005	-5	M	...	...	10° 733	-10° 744	0·80	47° 882	10·2
...	-27° 637	+11° 614	0·80	...	...	†	-18° 220	-34° 920	-5	M	...	...	-10° 657	+25° 291	-3	...	...
*	27° 563	-15° 293	1° 40	47° 872	9·5	...	18° 121	+36° 236	-4	M	...	*	10° 647	-26° 952	1·20	47° 883	9·8
...	27° 426	-20° 054	-5	M	...	...	17° 986	-55° 931	-1	...	...	...	10° 525	+12° 374	-5	M	...
...	27° 246	-52° 756	-3	...	...	...	17° 881	+42° 091	0·90	...	...	...	10° 518	-35° 143	0·65	B	...
...	27° 218	+18° 535	-1	...	...	...	17° 795	-57° 696	-5	M	...	...	10° 289	-56° 357	-5	M	...
251	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...
†	-27° 170	-44° 921	0·90	47° 873	10·2	...	-17° 731	+40° 948	-5	...	...	...	-10° 114	-33° 211	-5	M	...
...	26° 868	+26° 068	-3	...	...	*	17° 670	-31° 227	0·95	47° 881	10·0	...	10° 059	-34° 044	-3	M	...
*	26° 678	-41° 017	1° 20	47° 874	9·6	...	17° 667	+34° 433	-5	M	...	...	9° 935	+46° 557	-4	...	...
...	26° 673	-15° 116	0·70	...	...	...	17° 665	+7° 023	0·90	...	...	*	9° 855	-42° 603	1·20	47° 884	9·4
...	26° 666	+35° 215	-4	...	...	*	17° 620	-33° 421	0·90	...	...	...	9° 615	+1° 783	-5	...	...
...	-26° 462	+11° 014	-5	M	...	...	-17° 302	-44° 529	-5	M	...	...	-9° 356	+30° 013	-2	...	...
...	26° 368	+5° 447	-3	...	...	...	17° 251	-43° 182	0·70	B	...	...	9° 125	+47° 723	-3	...	...
...	26° 323	+17° 614	-3	...	...	*	17° 241	+38° 511	1° 10	46° 917	9·6	...	8° 976	-42° 940	0·65	...	...
...	26° 012	-40° 449	-5	M	...	*	17° 206	+36° 567	1° 00	46° 918	10·2	*	8° 793	-33° 293	1·00	47° 885	10·2
...	25° 113	-30° 505	-3	M	...	...	17° 101	-49° 515	-5	M	...	...	8° 582	+56° 076	0·65	...	...
261	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...
*	-25° 078	-39° 082	1° 00	47° 875	10·2	...	-16° 637	+33° 828	0·80	...	...	...	-8° 417	-20° 615	-1	...	...
*	24° 887	-5° 539	0·95	47° 876	10·2	...	16° 575	-50° 353	0·70	...	...	...	8° 361	-20° 511	-5	M	...
...	24° 597	+16° 459	-3	...	...	...	16° 420	+50° 689	-3	...	...	...	8° 330	-3° 795	-3	M	...
...	24° 525	-56° 181	-5	M	...	*	16° 112	+38° 878	1·60	46° 919	9·5	...	8° 326	-48° 997	-5	M	...
...	24° 263	-27° 765	-3	M	...	...	16° 102	-50° 994	-1	...	...	...	8° 228	+19° 263	-3	...	...
...	-24° 064	-5° 786	0·80	...	...	...	-16° 030	-1° 360	-4	M	...	...	-8° 091	+42° 421	-5	...	...
...	24° 054	+49° 442	0·70	...	...	...	16° 012	-23° 590	0·70	...	...	*	8° 067	-58° 090	1·10	47° 886	10·0
...	24° 021	+46° 713	-3	...	...	...	15° 888	+12° 269	-4	...	...	...	8° 038	+20° 402	0·65	...	...
...	23° 771	-37° 602	-5	M	...	...	15° 857	+38° 745	-1	...	...	...	8° 011	-19° 426	0·90	...	...
...	23° 501	-27° 669	-5	M	...	...	15° 744	+7° 135	0·80	...	...	...	7° 994	+33° 322	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
391-450																		
39 ¹	*	- 7.707	- 36.772	1.05	47. 887	10.0	45 ¹	+ 2.105	- 59.592	0.90	*	*	51 ¹	+ 12.009	+ 38.102	0.70	*	...
...	7.569	+ 21.891	- 5	M m	...	...	2.249	+ 47.970	0.80	...	...	...	12.049	+ 15.998	1.00	46. 943	10.0
...	6.958	- 11.834	- 4	M	...	*	2.288	- 40.615	1.60	47. 895	9.1	...	12.065	- 0.147	- 5	...	...
...	6.562	- 28.553	- 1	...	...	*	2.307	- 44.005	1.20	47. 894	9.6	...	12.119	+ 30.908	0.80	...	...
†	6.545	+ 39.849	- 2	...	...	*	2.416	+ 56.138	1.00	46. 932	10.2	...	12.381	+ 57.695	- 5	...	...
*	- 5.906	- 29.002	1.15	47. 888	9.9	...	+ 2.424	- 39.959	0.80	...	...	...	+ 12.492	- 15.474	- 2	...	...
...	5.538	- 47.121	- 2	M	...	†	2.667	+ 29.860	1.00	46. 933	10.2	...	12.615	+ 0.464	- 4	m	...	
...	5.287	+ 5.481	- 4	M m	...	...	2.682	- 47.267	0.70	...	...	...	12.757	+ 12.166	0.65	...	...
...	5.082	+ 44.506	0.95	46. 926	10.2	...	3.048	- 20.613	- 5	M	...	...	12.886	- 4.346	- 2	...	...
...	5.058	- 8.266	- 2	...	...	*	3.319	- 59.197	1.00	...	...	...	13.051	+ 10.439	0.95	46. 944	10.2
40 ¹	52 ¹	+ 13.109	- 24.066	- 4
...	- 4.949	- 30.799	0.65	...	...	...	+ 3.655	+ 45.277	- 3	...	...	...	13.506	- 37.414	0.90	...	...
...	4.883	- 57.000	- 5	M	...	...	3.720	- 48.343	- 5	M	...	...	13.572	+ 52.291	1.00	46. 945	10.0
...	4.584	- 12.295	- 4	M	...	*	3.745	- 41.399	1.00	47. 896	10.2	*	14.091	+ 48.065	1.00	46. 946	10.2	
*	4.445	- 11.582	1.25	47. 889	10.0	...	4.811	- 17.339	- 1	M	...	*	14.153	- 54.040	1.00	47. 904	10.2	
...	4.403	- 8.993	- 2	...	...	...	5.135	- 29.679	0.65	M	...	...	+ 14.378	- 46.009	- 4	...	...
...	- 4.111	+ 46.342	- 5	M m	...	...	+ 5.141	- 24.356	- 5	M	...	...	14.407	+ 37.890	1.00	46. 947	10.0
...	3.845	+ 24.260	- 4	...	...	...	5.299	+ 15.325	- 5	m	...	*	14.831	+ 39.447	- 4	...	...
...	3.539	- 52.699	- 5	M	...	*	5.422	- 4.619	2.40	47. 897	8.2	...	14.997	+ 42.370	- 4	...	...
...	3.487	+ 20.666	- 2	...	...	*	5.446	- 24.205	1.20	47. 898	9.8	...	15.080	- 25.452	- 5	...	...
...	3.195	- 16.959	- 5	M	5.718	- 24.462	- 5	M m	53 ¹	+ 15.150	+ 35.587	- 2
41 ¹	15.151	+ 57.100	0.80	46. 948	10.2
...	- 3.126	- 3.145	- 5	M	...	...	+ 5.733	+ 27.353	- 3	...	...	...	15.156	- 42.057	- 4	...	...
†	3.114	- 34.897	- 5	M	...	...	5.744	- 9.199	0.85	...	...	...	15.240	- 8.284	- 3	...	...
...	2.934	+ 4.288	1.00	...	...	...	5.767	- 41.530	0.70	M	...	...	15.445	- 28.918	- 4	...	...
...	2.825	- 48.228	- 5	M	...	...	5.832	- 47.101	- 3	M	...	...	+ 15.593	+ 24.071	- 5	m	...
f*	2.780	+ 0.247	1.00	46. 927	10.2	...	5.929	+ 49.084	0.75	...	...	...	15.746	- 26.113	- 5	...	...
*	- 2.665	- 53.795	1.00	47. 890	10.2	...	+ 5.933	+ 49.578	- 5	...	...	...	15.832	+ 14.394	- 5	m	...
...	2.626	+ 43.516	- 5	...	...	...	6.058	- 38.486	0.85	...	...	...	15.871	- 10.035	- 4	...	...
S*	2.095	+ 11.354	1.60	46. 928	9.4	S*	6.158	- 31.469	2.10	47. 899	8.8	...	15.965	- 23.492	- 3	...	...
...	1.935	+ 6.956	- 4	m	6.192	- 46.513	- 5	M	54 ¹	+ 16.000	+ 48.905	1.00	46. 949	10.2
...	1.813	- 38.260	1.40	47. 891	8.8	...	6.410	+ 6.405	1.05	46. 934	9.8	...	16.101	- 30.165	1.00	47. 905	10.2	
42 ¹	16.213	- 52.253	2.40	47. 906	8.2
...	- 1.803	- 33.578	0.70	...	...	*	+ 6.781	- 16.897	2.00	47. 900	8.8	...	16.385	+ 42.788	- 3	...	...
†	1.673	- 54.913	1.00	47. 892	10.0	...	6.888	- 26.831	0.75	...	...	...	16.504	- 9.452	- 5	...	...
...	1.508	- 24.127	- 5	M	...	*	7.061	+ 53.940	1.05	46. 935	9.8	S*	16.728	- 0.712	- 5	...	...
...	1.293	+ 47.685	- 4	...	...	*	7.228	- 43.036	0.90	...	...	...	16.743	- 20.142	- 5	...	...
...	1.052	+ 27.986	- 5	m	...	...	7.300	+ 53.129	0.75	...	...	...	16.942	- 24.484	1.30	47. 907	9.6
...	- 0.969	+ 29.509	0.80	...	...	*	+ 7.414	+ 8.619	0.90	46. 937	10.2	...	17.137	- 20.389	- 3	...	...
...	0.598	- 48.725	1.00	47. 893	9.9	...	7.488	+ 7.243	- 5	M m	55 ¹	+ 17.181	+ 2.380	- 3	a	...
...	0.330	+ 51.717	- 4	M m	...	*	7.612	+ 53.034	1.10	46. 936	9.8	...	17.270	+ 52.183	1.40	46. 950	9.5	
...	0.237	+ 46.315	- 5	M m	...	...	7.868	- 54.226	- 5	M m	...	...	17.273	+ 16.965	0.85	46. 951	10.2
...	0.161	+ 11.351	- 4	...	...	†	7.953	+ 44.898	0.75	46. 938	10.2	...	17.286	+ 23.450	- 5	m	...
43 ¹	55 ¹	+ 17.483	- 15.017	- 5
...	- 0.031	- 41.417	- 5	M	...	...	+ 8.102	- 36.039	0.70	M	...	...	+ 17.575	+ 14.798	- 5	m	...
...	+ 0.129	+ 27.398	- 5	m	...	...	8.116	- 35.406	0.70	...	...	...	17.678	+ 25.877	- 5	m	...
...	0.379	+ 4.270	- 5	M m	...	...	8.160	+ 12.205	- 4	M m	...	...	17.769	- 2.871	0.65	...	...
...	0.410	- 11.580	- 5	M	...	...	8.237	- 13.162	- 3	M	...	...	17.810	+ 44.067	- 5	...	...
...	0.473	+ 57.581	0.70	...	...	...	8.268	- 12.832	- 5	M	...	...	17.925	- 35.261	1.15	47. 908	10.0
...	+ 0.652	- 37.062	0.70	...	...	*	+ 8.575	- 38.652	1.60	47. 901	8.8	...	18.080	+ 7.571	- 2	...	...
...	0.725	+ 57.850	- 4	...	...	*	8.626	+ 45.179	0.95	46. 939	10.2	...	18.092	+ 7.943	- 3	...	...
...	1.087	- 14.194	0.65	M	...	S†	8.904	+ 54.873	2.70	46. 940	8.2	...	18.207	- 37.94	- 3	...	...
...	1.339	- 33.105	0.65	...	...	...	8.904	- 33.250	- 5	M	...	...	18.260	+ 52.732	- 4	...	...
...	1.489	+ 18.820	- 5	M m	...	*	9.041	+ 34.456	1.70	46. 941	9.5	*	18.467	- 57.477	- 5	...	...
44 ¹	56 ¹	+ 18.509	- 48.195	- 5
...	+ 1.503	- 34.387	- 2	M	...	...	+ 9.087	- 50.832	- 5	M	...	...	18.665	+ 53.279	0.65	...	...
...	1.586	- 33.041	0.75	...	...	...	9.201	+ 30.225	0.80	...	...	...	18.675	+ 59.747	- 4	...	...
...	1.603	+ 57.270	- 5	...	...	...	9.466	+ 58.226	0.85	...	...	...	18.687	- 27.660	1.20	47. 909	9.6
...	* 1.608	+ 13.900	1.00	46. 929	10.2	*	10.309	- 8.897	1.40	47. 902	9.4	...	18.711	+ 44.318	- 5	...	...
...	1.723	- 2.740	- 5	M	...	...	10.340	+ 4.844	- 4	m	...	...	18.747	- 57.477	- 5	...	...
...	+ 1.832	+ 24.975	1.15	46. 930	9.8	*	+ 10.446	+ 37.678	1.20	46. 942	9.6	...	18.807	- 48.195	- 5	...	...
...	1.860	+ 51.593	1.10	46. 931	9.9	...	11.033	- 15.878	- 4	...	...	...	18.847	- 27.660	1.20	47. 909	9.6
...	1.882	+ 33.236	- 4	m	...	*	11.035	- 13.154	2.00	47. 903	9.0	...	18.871	+ 44.318	- 5	...	...
...	1.932	+ 18.372	- 3	m	...	...	11.233	+ 18.756	0.70	...	...	...	18.906	- 27.660	1.20	47. 909	9.6
...	2.096	- 37.622	- 5	M	...	...	11.323	+ 34.767	- 5	m	...	...	18.939	+ 44.318	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
571-630																		
57 ¹	+18·953	+55·427	-1	o	...	63 ¹	+29·356	-7·180	-5	m	...	69 ¹	+39·035	+1·552	-5	m	...	
...	19·162	-26·678	0·65	...	...	+	29·446	+42·853	1·60	46. 960	9·0	...	39·204	+33·747	-1	...	...
...	19·297	+9·084	-5	...	...	+	29·545	-47·409	0·95	47. 913	10·2	...	39·336	-22·910	-5	...	...
S *	19·435	+26·878	1·50	46. 952	9·0	...	29·585	-38·618	0·70	...	...	...	39·365	-11·117	-3	...	...
†	19·522	-40·948	0·65	...	...	...	29·748	-21·180	-5	...	...	...	39·593	-46·644	-5	...	...
*	+19·812	-17·739	-1	...	...	...	+30·006	+9·494	-5	m	...	...	+39·654	+30·879	-1	...	...
*	20·113	+44·239	1·00	46. 953	10·2	...	30·681	-53·718	1·00	...	...	...	39·677	-7·608	-5	...	...
...	20·534	+59·204	0·70	...	...	...	31·074	+56·553	0·80	...	...	...	39·698	+37·471	1·00	46. 968	10·2
...	20·694	+51·299	-5	m	...	S *	31·105	-31·741	4·30	47. 914	7·0	...	39·708	+22·422	-5	...	...
...	20·804	+42·131	0·70	...	...	...	31·371	+21·812	-3	...	...	...	39·717	+49·680	-5	m	...
58 ¹	+20·810	-56·949	-4	...	...	64 ¹	+31·392	-31·111	-4	...	...	70 ¹	+39·896	+30·655	-5	...	...
...	21·080	-2·586	-4	...	...	+	31·448	-34·889	2·60	47. 915	7·6	...	40·247	+14·001	0·65	...	...
...	21·884	-40·319	-5	...	...	...	31·724	+26·983	-5	...	...	...	40·348	+22·146	0·85	...	...
...	22·120	-17·279	-5	...	...	...	31·993	+21·760	1·10	46. 961	9·8	*	40·547	-40·882	0·95	...	...
...	22·129	-14·526	-5	...	...	...	31·997	-18·229	-5	...	...	...	40·765	+4·542	-5	...	...
...	+22·448	+56·726	0·65	...	...	...	+32·129	+25·584	-5	m	...	...	+40·831	-29·358	-5	...	...
...	22·490	-31·754	-5	...	...	...	32·292	+35·442	0·65	...	...	...	40·886	-14·296	-4	...	...
...	22·610	+10·625	0·75	...	...	*	32·551	+47·926	1·40	46. 962	9·6	*	41·310	-33·822	0·95	...	...
...	22·942	-53·515	0·90	...	...	...	32·733	-38·878	-4	...	...	...	41·421	-28·226	-5	...	...
...	23·218	+19·516	-5	m	...	...	32·778	+21·080	-5	m	...	...	41·481	-30·659	-5	m	...
59 ¹	+23·532	+34·215	-5	m	...	65 ¹	+32·914	+34·368	-5	m	...	71 ¹	+42·034	-53·653	-5	...	...
...	23·586	+15·408	0·65	...	...	...	33·194	-13·738	0·65	...	...	...	42·175	-30·337	0·90	...	...
*	23·779	-14·325	1·60	47. 910	9·1	...	33·393	-31·689	0·70	...	...	...	42·303	+27·196	0·75	...	...
*	24·282	-39·607	0·95	47. 911	10·2	...	33·746	-14·404	-4	...	...	...	42·355	+1·123	-5	m	...
†	24·467	+31·909	0·90	46. 954	10·2	...	33·767	+2·095	-3	...	...	...	42·510	+37·285	-5	...	...
†	+24·507	-39·366	0·80	...	...	...	+33·790	-13·557	-4	...	...	...	+42·601	-45·752	-1	...	...
†	24·534	-56·306	0·90	...	...	...	33·963	-1·185	-5	...	...	...	42·656	+8·221	-5	m	...
...	24·722	+36·348	-5	...	...	...	34·077	+25·854	0·95	46. 963	10·2	...	42·980	-58·650	-5	...	...
...	24·919	+50·796	-5	m	...	...	34·087	+35·535	-5	...	...	...	43·377	-41·766	-5	...	...
...	24·968	+45·850	-5	m	...	...	34·131	+44·371	-5	...	...	...	43·380	-57·858	-5	...	...
60 ¹	+25·115	-30·112	0·65	66 ¹	+34·148	+58·278	-5	72 ¹	*	+43·475	+30·631	1·10	46. 969	9·8
*	25·241	+43·551	0·95	46. 955	10·2	...	34·257	+14·409	-4	...	...	...	43·585	-3·260	0·90	...	...
...	25·346	+13·419	0·65	...	...	...	34·282	+40·252	-2	...	...	...	43·761	+53·571	1·30	46. 970	9·9
...	25·376	+15·739	-5	m	...	...	34·388	-55·696	-5	...	...	...	43·763	+19·571	-2	...	...
...	25·457	-55·110	-5	...	...	...	34·574	-38·675	-3	...	...	...	43·920	-56·151	0·75	...	...
*	+25·507	+14·132	-5	m	...	...	+34·669	-3·938	-4	...	...	*	+44·492	+2·437	1·60	46. 972	9·5
*	25·580	-12·251	1·90	47. 912	9·0	...	34·685	-15·609	-5	...	...	...	44·550	-51·394	-5	...	...
...	25·889	+18·078	-5	m	...	...	35·007	-46·533	-5	...	...	S *	44·762	+37·188	1·90	46. 971	9·1
*	26·445	+46·009	0·90	46. 956	10·2	...	35·175	-54·558	-4	...	...	...	44·780	+22·649	0·80	...	...
...	26·483	+21·243	-3	a	...	*	35·275	+40·296	1·00	46. 964	10·2	...	44·939	-43·932	-4	...	...
61 ¹	+26·558	+11·016	0·90	46. 957	10·2	...	+35·320	-19·042	-4	...	...	73 ¹	+44·941	+33·691	0·70	...	...
...	26·648	+46·374	-1	...	...	...	35·414	+58·524	-1	...	...	...	45·063	-19·225	-4	...	...
...	26·657	-23·414	0·70	...	...	+	35·837	+39·887	1·00	46. 965	10·0	*	45·076	-4·563	1·00	47. 916	10·2
...	26·783	+41·059	-5	m	...	...	35·967	+15·353	-5	m	...	...	45·136	+52·474	-4	...	...
...	26·789	+30·424	0·80	...	...	...	36·440	+0·460	-4	...	...	*	45·162	-1·316	0·90	46. 973	10·2
...	+26·828	-38·962	-5	...	...	...	+36·613	+40·079	-5	...	...	...	+45·371	-14·284	0·75	...	...
...	26·859	+54·970	0·70	...	...	...	36·894	-0·103	-4	...	...	...	45·443	+47·831	-5	m	...
...	27·174	+28·829	0·80	...	...	...	37·205	+54·305	1·00	46. 966	10·2	+	45·489	-49·866	1·15	47. 917	9·6
†	27·395	+54·814	0·65	...	...	...	37·280	-13·551	-4	...	...	*	45·556	-51·240	1·05	47. 918	10·2
...	27·765	+48·150	-5	m	...	...	37·501	+12·459	-3	...	...	...	45·582	+12·668	-5	m	...
62 ¹	+27·807	-33·550	0·80	...	...	68 ¹	+37·815	+9·959	0·90	46. 967	10·2	...	+45·725	+34·172	-4	...	...
*	28·051	+29·777	1·05	46. 958	9·6	...	37·899	-54·344	-4	...	...	*	45·729	-3·487	0·90	...	...
...	28·436	-50·002	-5	...	...	...	38·242	+33·111	-3	...	...	...	45·796	+11·232	-5	m	...
...	28·497	-7·430	0·65	...	...	...	38·428	+40·733	0·80	...	...	...	45·825	+7·183	0·70	...	...
...	28·527	+9·427	-4	m	...	...	38·538	+29·142	-4	...	...	...	46·094	-32·957	-5	...	...
*	+28·673	+9·844	1·00	46. 959	10·0	...	+38·596	-25·589	-2	...	...	...	+46·107	-2·867	0·80	...	...
...	28·675	-43·978	-1	...	...	...	38·601	-27·745	-3	...	...	*	46·121	+38·303	1·00	...	...
...	28·952	+39·736	-5	m	...	...	38·706	+15·772	-5	...	...	...	46·274	-23·898	-4	...	...
...	29·140	-13·709	-1	...	...	...	38·872	+8·912	-4	...	...	...	46·390	+58·817	0·65	...	...
...	29·178	-14·486	-5	...	...	...	39·021	-34·748	-5	...	...	...	46·418	+37·898	0·90	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-t.	No.	Mag.		x.	y.	-t.	No.	Mag.		x.	y.	-t.	No.	Mag.
751-790																	
751	+46·428	+11·984	0·95	46° 975	10·2	791	+51·221	+18·729	-3	0	...	831	+57·018	+8·534	2·30	46° 987	8·6
...	46·469	+53·653	0·90	46° 974	10·2	...	51·649	+11·676	-5	e	...	...	57·311	+35·466	-4	...	...
...	46·528	-14·448	0·75	...	...	...	51·927	+53·570	-4	...	...	...	57·488	+35·478	-5	...	...
...	46·637	+55·502	-4	...	...	...	52·054	+17·855	0·70	...	...	...	58·051	-52·719	-4	...	...
...	47·082	+28·725	0·75	...	...	...	52·128	+7·282	1·00	46° 981	10·2	...	58·090	+13·728	-5	...	...
...	+47·171	+24·209	-4	e	...	*	+52·248	-35·718	1·00	47° 924	10·0	...	+58·445	-6·150	0·85	...	...
...	47·196	+41·744	-5	m	...	...	52·299	+10·148	-5	...	...	...	58·611	+53·059	-2	...	...
...	47·320	-42·119	-1	...	...	...	52·321	-12·638	0·70	...	...	...	58·712	-19·184	-4	...	...
...	47·458	+0·497	0·65	e	...	...	52·488	+16·306	-1	...	...	...	58·784	+16·197	-4	...	...
...	47·564	-7·666	-5	...	...	...	52·502	-57·721	-5	...	...	...	58·897	-23·200	0·80	...	...
761	+47·739	+34·036	0·75	...	...	801	+52·605	-14·524	-2	...	...	841	+59·077	-12·524	-2	...	...
...	* 47·779	+38·851	1·60	46° 976	9·4	...	52·617	-16·692	0·85	47° 925	10·2	...	59·179	-50·806	-3	...	...
...	47·872	-17·698	-5	...	...	...	52·871	-38·852	0·85	...	...	...	59·324	-54·010	1·60	47° 928	9·4
S *	47·984	+3·659	2·00	46° 978	8·6	...	52·930	-8·400	-3	...	...	...	...	...	...	...	...
...	48·086	-13·360	-5	...	...	...	53·110	-25·964	0·90	...	...	...	...	...	...	...	...
...	+48·090	-14·167	-5	...	...	...	53·288	+29·119	0·70	...	...	...	...	...	...	...	...
...	48·170	-14·479	0·65	...	...	...	53·333	+57·544	-5	...	...	...	...	...	...	...	...
...	* 48·345	+24·702	1·00	46° 977	10·2	...	53·407	-38·735	-5	...	...	...	...	...	...	...	...
...	48·542	-47·263	-5	...	...	...	53·630	-13·920	0·90	...	...	...	...	...	...	...	...
...	48·766	-4·697	-5	...	...	...	53·656	+29·876	-5	...	...	...	...	...	...	...	...
771	+48·773	-35·862	-1	...	...	811	+54·520	-47·531	-4	...	...	...	...	...	...	...	...
...	48·864	-49·642	-5	m	...	*	54·588	+6·526	1·20	46° 984	9·8	...	...	...	...	...	...
...	48·885	+56·424	0·75	...	...	*	54·596	-1·767	1·60	46° 985	8·8	...	...	...	...	...	...
...	48·963	-59·611	-5	...	...	...	54·626	-41·957	-5	...	...	...	...	...	...	...	...
...	* 49·345	-40·459	1·00	47° 920	10·0	...	54·909	+55·130	-5	...	...	...	...	...	...	...	...
...	+49·543	-57·832	1·10	47° 921	10·0	...	+54·947	-3·357	-5	...	...	...	...	...	...	...	...
...	49·919	+26·383	0·70	...	...	...	54·961	-27·970	1·00	47° 926	10·0	...	...	...	...	...	...
...	49·934	+14·737	0·95	46° 979	10·2	...	55·154	+42·989	1·00	46° 982	10·2	...	...	...	...	...	...
...	50·073	+17·191	-5	...	...	...	55·311	-4·344	-5	...	...	...	...	...	...	...	...
...	50·114	+12·417	1·10	46° 980	9·9	N	[55·427	+57·717	0·65	46° 983	10·2	...	...	...	...	...	...
781	+50·121	-10·494	-3	...	...	821	+55·557	+2·916	-5	e	...	...	...	...	...	...	...
...	50·171	+58·081	0·80	...	...	*	55·565	+1·538	1·20	46° 986	9·9	...	...	...	...	...	...
...	50·427	+6·994	-5	m	...	...	55·576	+56·852	-5	...	...	...	...	...	...	...	...
...	50·457	-11·517	-3	...	...	...	55·743	-58·493	0·90	47° 927	10·2	...	...	...	...	...	...
...	50·603	-6·403	-4	...	...	...	55·852	+7·530	0·80	...	...	...	...	...	...	...	...
...	+50·706	-50·095	2·00	47° 922	8·8	...	+56·128	+9·335	-4	...	...	...	...	...	...	...	...
...	50·954	+57·161	-3	...	...	...	56·257	-5·396	-4	...	...	...	...	...	...	...	...
...	* 50·988	-37·612	1·20	47° 923	9·9	...	56·282	+19·196	-3	...	...	...	...	...	...	...	...
...	51·098	+54·437	-5	m	...	...	56·666	-34·317	-3	...	...	...	...	...	...	...	...
...	51·200	-0·792	0·90	...	...	...	56·755	-32·581	-5	...	...	...	...	...	...	...	...

820. Mass. 46° 41, two stars; 47° 41, mass.

1-10					11-20					21-30							
I	-59·820	+30·343	1·40	46° 969	9·8	II	-57·818	+58·620	-5	0	...	21	-56·488	-14·459	-3	0	...
+	59·183	-30·621	0·80	...	...	...	57·689	+33·975	-5	...	...	...	56·483	-3·662	0·85	...	...
...	59·180	+19·323	-5	...	...	...	57·565	+53·466	-1	46° 974	10·2	...	56·270	+11·822	1·00	46° 975	10·2
...	58·840	+52·255	-5	...	...	...	57·432	+38·104	1·00	...	...	...	56·158	+28·566	-1	...	...
S *	58·747	+36·956	2·30	46° 971	9·1	...	57·122	+37·723	...	...	...	...	56·123	-3·034	0·75	...	...
...	-58·627	-3·513	0·95	...	...	...	-57·120	-1·503	1·00	46° 973	10·2	...	-55·910	+24·062	-5	E	...
...	58·457	+33·469	-3	...	...	...	57·099	-4·762	1·00	47° 916	10·2	*	55·777	+38·719	1·60	46° 976	9·4
...	58·274	-46·020	-5	...	...	...	56·733	+7·003	-2	...	...	...	55·672	+33·895	-1	...	...
...	58·267	+22·420	0·70	...	...	...	56·657	-19·408	-5	...	...	...	55·323	-14·605	-2	...	...
*	57·899	+2·220	1·50	46° 972	9·5	...	56·636	-56·377	-5	...	...	...	55·291	-24·043	-5	...	...

C measured from 1, 67, 184, 315, 473, 634, 792.
NM 35, 127, 253, 400, 538, 725.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.	Mag.			
31-90																				
31	-55°243	-50°031	1°40'	47° 917	9·6	...	-46°243	-24°339	-5	...	...	...	151	-35°474	+13°482	1°00'	46° 993	10·2	
+	55°214	+56°302	-3	...	...	...	46°127	+35°637	-5	...	...	...	...	35°179	-2°875	-5	...	...	...
...	55°145	-51°397	1°15'	47° 918	10·2	...	45°898	-5°251	-3	...	...	...	...	34°975	-18°941	-5	...	...	...
†	54°871	+0°369	-4	E	...	*	45°589	+8°711	2°10	46° 987	8·6	...	...	34°693	+15°866	-4	...	...	...
*	54°775	+24°588	0°95	46° 977	10·2	...	45°518	-5°225	-5	...	...	...	...	34°354	+45°570	-5	...	...	...
...	54°518	-7°783	-4	...	...	...	-45°415	+53°257	-1	...	...	...	...	34°083	-23°739	-4	...	...	...
S*	54°461	+3°558	2°20	46° 978	8·6	...	44°719	-58°323	0°95	47° 927	10·2	...	...	33°992	-1°586	-5	...	...	...
...	53°991	+58°003	0°80	...	...	...	44°670	+13°932	-4	...	...	...	...	33°917	-29°648	1°30	47° 932	9·9	...
...	53°812	-13°460	-5	...	...	...	44°576	-34°124	0°70	...	...	...	...	33°637	+33°012	-4	...	...	...
...	53°681	-14°583	-1	...	...	...	44°060	+16°425	-2	...	...	...	...	33°523	+1°376	-5	M	...	...
41	101					...	161					...	...	151-210					
...	-53°654	-42°223	-5	...	...	...	-44°005	-2°204	-5	...	...	...	...	-33°237	+42°115	-5	...	...	...
...	53°420	-4°794	-5	...	...	...	43°697	-5°923	0°95	...	...	...	...	33°173	+9°264	-1	A	...	...
...	53°250	+26°326	0°75	...	...	...	43°268	+14°110	-5	...	...	...	...	33°024	-14°537	-5	...	...	...
...	53°221	+29°855	-5	M	...	...	43°004	-18°943	-3	...	...	...	...	32°995	+19°693	2°60	46° 994	8·4	...
...	53°182	+57°121	-1	...	...	...	42°845	-12°275	0°80	...	...	...	...	32°867	+58°695	1°70	45°1029	9·4	...
*	52°862	+14°675	0°90	46° 979	10·2	...	-42°752	+41°211	-5	...	...	...	...	-32°677	-35°484	0°75	...	...	...
...	52°809	+17°141	-5	...	...	...	42°705	+10°591	-4	...	...	...	...	32°646	+17°798	-5	M	...	...
*	52°604	+12°382	1°30	46° 980	9·9	...	42°689	-22°952	0°90	...	...	...	...	32°576	-10°835	1°10	47° 933	9·9	...
...	52°418	-35°924	-5	...	...	...	42°642	+25°223	0°90	...	...	...	...	32°435	+32°230	0°85	...	...	...
...	52°105	+53°555	-5	...	...	...	42°610	-52°468	-4	...	...	...	...	32°263	+2°741	-5	M	...	...
51	111					...	171					...	...	171					
...	-51°883	-10°531	-5	...	...	...	-42°604	-13°828	-5	...	...	...	...	-32°244	-19°446	1°05	47° 934	10·2	...
...	51°701	+18°723	-3	...	...	...	42°561	+21°201	-2	...	...	...	...	31°489	-5°341	1°05	47° 935	10·2	...
*	51°686	-40°500	1°20	47° 920	10·0	...	42°559	+6°205	-3	...	...	...	...	31°396	-41°309	-1	...	...	...
...	51°511	-6°416	-4	...	...	...	42°053	+53°414	-5	...	...	...	...	31°252	+12°353	1°80	46° 995	9·4	...
...	51°508	-11°522	-4	...	...	...	41°529	-50°537	-3	...	...	...	...	31°149	+10°411	-5	M	...	...
*	-51°101	-0°788	0°90	...	...	...	-41°439	+50°046	-5	M	...	...	...	-31°085	+6°531	0°85	...	...	...
...	51°025	+11°685	-5	E	...	...	41°376	-24°896	-3	...	...	...	...	30°618	-49°915	-5	...	...	...
*	50°938	-57°875	1°40	47° 921	10·0	*	41°274	-53°724	2°00	47° 928	9·4	...	...	30°582	+10°087	0°90	46° 996	10·0	...
...	50°840	+17°886	0°80	...	...	...	40°845	+11°189	-5	M	...	...	...	30°445	+2°646	-5	M	...	...
...	50°839	+57°570	0°90	...	...	...	40°462	+47°282	-5	M	...	...	...	30°381	+30°915	0°90	...	...	...
61	121					...	181					...	...	181					
*	-50°425	+7°307	1°05	46° 981	10·2	...	-40°393	+52°320	-5	...	...	...	...	-30°218	-40°150	-1	...	...	...
...	50°364	+16°336	0°70	...	...	...	40°305	-9°178	1°00	47° 930	10·2	...	...	30°209	-26°703	0°75	...	...	...
...	50°339	+10°173	-5	...	...	...	40°250	-44°076	-4	...	...	...	...	30°154	+20°094	0°80	...	...	...
*	50°126	-37°585	1°50	47° 923	9·9	*	40°118	-45°891	1°60	47° 929	9·6	...	...	29°856	-55°069	0°65	47° 936	10·0	...
*	50°017	-50°093	2°00	47° 922	8·8	...	40°099	-24°029	-5	...	...	...	...	29°803	+30°257	-4	...	...	...
...	-49°980	+29°167	0°70	...	...	...	-39°957	-37°779	-5	...	...	...	...	-29°691	+56°181	1°40	46° 998	9·6	...
...	49°608	+29°932	-4	...	...	...	39°827	-17°778	0°65	...	...	...	...	29°531	-25°366	-4	...	...	...
...	49°606	-12°616	0°70	...	...	...	39°800	-25°668	-1	...	...	...	...	29°514	+5°411	1°40	46° 997	9·4	...
...	49°271	-14°485	-1	...	...	...	39°580	+46°451	0°90	...	...	...	...	29°465	+47°221	-4	...	...	...
...	49°171	-16°644	0°95	47° 925	10·2	...	39°571	+21°873	0°85	...	...	...	...	29°429	-44°940	0°80	47° 937	10·0	...
71	131					...	191					...	...	191					
...	-49°130	-8°353	-4	-39°477	-58°867	-5	M	S*	-29°252	+47°034	2°10	46° 999	8·4	...
...	48°948	-35°665	1°00	47° 924	10·0	...	39°112	-14°801	-5	...	...	...	...	28°987	-52°292	-5	...	...	...
N	48°737	+57°827	0°80	46° 983	10·2	*	39°074	+5°430	1°05	46° 988	10·0	*	...	28°929	+3°254	1°10	46°1000	9·8	...	
...	48°592	+56°963	-5	...	...	...	38°595	+40°095	-5	M	...	...	...	28°823	+13°338	-4	...	...	...
...	48°545	+43°077	1°10	46° 982	10·2	*	38°063	+51°504	1°30	46° 990	10·0	*	...	28°750	+47°356	1°30	46°1001	9·6	...	
...	-48°381	-25°894	0°90	...	...	...	-37°860	-17°220	-5	M	...	...	...	-28°713	+20°962	-3	...	...	...
...	48°260	-13°845	1°00	...	...	*	37°726	+10°032	0°95	46° 989	10·2	...	...	28°560	-52°388	-1	...	...	...
...	48°221	-38°782	0°85	...	...	...	37°521	+38°235	-1	...	...	...	...	28°517	+17°112	1°20	46°1002	9·7	...
...	47°993	-57°658	-5	...	...	*	37°311	+31°142	1°00	46° 991	10·2	...	...	28°243	+50°895	0°70	...	...	...
*	47°943	+6°630	1°40	46° 984	9·8	...	36°840	+52°841	-5	...	...	...	...	28°174	+36°823	-5	...	...	...
81	141					...	201					...	...	201					
*	-47°672	-1°654	2°20	46° 985	8·8	...	-36°638	+37°160	-5	...	...	...	...	-28°136	-40°892	-5	...	...	...
...	46°875	-4°195	-5	...	...	*	36°338	-50°933	-5	...	...	...	...	28°093	-16°423	-5	...	...	...
...	46°872	+3°046	-5	E	...	*	36°311	+1°403	2°40	46° 992	8·4	...	...	28°017	+6°974	-5	M	...	...
*	46°814	+1°671	1°30	46° 986	9·9	...	36°186	+38°043	-4	...	...	...	...	27°943	-33°090	-5	...	...	...
...	46°723	+7°673	0°75	...	...	...	36°107	+0°654	-5	M	...	...	...	27°868	+18°618	1°30	46°1003	9·9	...
...	-46°667	+19°358	0°70	...	...	...	-35°927	+48°878	-4	...	...	...	...	-27°727	-8°850	0°70	...	...	...
...	46°493																			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-ι.	No.	Mag.	x.	y.		-ι.	No.	Mag.	x.	y.	No.	Mag.			
211-270																			
211	-27.225	+43.503	-5	0			271	-16.612	-56.714	0.70	0			331	-7.868	+39.197	1.00	0	
...	26.732	-18.523	0.70	...			...	16.334	-31.119	-5	...			*	7.859	+39.266	1.00	46.1020	9.7
S *	26.414	-7.129	4.00	47. 939	7.0		...	16.178	+0.109	-4	F			*	7.826	+30.053	-5	M m	
*	26.401	+15.032	3.80	46.1005	7.1		*	15.875	+35.920	1.50	46.1013	9.4		...	7.720	-14.001	-1	...	
...	26.187	-11.836	1.00	...			...	15.749	+40.502	-1	...			...	7.657	-37.092	0.85	...	
...	-25.975	+32.629	-5	M			*	15.625	+22.961	1.10	46.1014	9.9		...	7.515	-42.971	1.00	...	
*	25.933	+24.138	2.20	46.1006	8.2		...	15.304	+13.412	-1	A			...	7.190	+1.147	-3	...	
...	25.677	-21.059	1.00	47. 941	10.0		...	15.250	+13.439	-3	A			...	7.052	-1.202	0.70	...	
*	25.654	-58.418	1.40	47. 940	9.7	†	...	14.972	+4.659	0.70	...			...	6.948	+51.046	1.00	46.1022	10.0
†	25.651	-25.059	-5	...	...		...	14.591	-20.512	-5	...			...	6.938	+25.835	-5	M m	
221	-25.566	+41.826	0.95	46.1007	10.0		281	-14.573	-4.561	-1	...			341	-6.936	-55.706	0.95	...	
...	25.481	+40.815	-1	...			...	14.284	-51.244	-1	...			...	6.873	-43.100	0.65	...	
...	25.430	+41.485	-4	...			...	14.187	+27.757	0.65	...			...	6.856	-8.206	-5	m	
...	25.370	-9.022	-3	...			...	13.971	+57.701	-4	...			...	6.778	-49.513	-4	...	
...	25.320	-8.883	0.70	...			...	13.630	-54.728	-5	...			...	6.378	-43.839	1.20	47. 951	9.9
...	-25.309	+11.852	-5	M			...	13.581	-25.961	0.75	...			...	6.313	+53.312	1.10	46.1023	10.0
...	24.769	-50.901	-3	...			...	13.552	-27.726	-1	...			...	6.276	+0.272	-3	M m	
*	24.418	-15.426	1.00	47. 942	10.0	*	...	13.383	-7.444	0.95	...			...	6.252	+35.387	-5	m	
...	24.016	+41.764	-4	...			...	13.254	+28.818	0.80	...			...	6.104	-4.000	1.40	47. 952	9.5
*	23.914	+58.886	1.40	45.1033	9.4		...	13.143	-29.448	-5	...			...	5.838	+52.139	-1	...	
231	-23.812	-29.517	-4	...			291	-13.135	+12.654	0.65	...			351	-5.801	-2.650	2.20	47. 953	8.5
*	23.262	-4.208	1.60	47. 943	9.1		...	13.066	-27.237	0.90	...			...	5.782	+45.682	-5	...	
...	23.229	+35.902	0.70	...			...	12.928	+3.814	-5	M			...	5.595	+34.466	0.70	...	
...	23.193	-32.543	-2	...			...	12.883	-1.001	-5	...			...	5.376	+40.353	-4	...	
...	23.074	+31.991	-3	...			...	12.784	+27.551	-4	...			...	5.316	+13.892	0.70	...	
...	-23.057	+39.068	-5	...			...	12.670	+48.546	0.70	...			...	5.120	-36.747	1.30	47. 954	9.7
...	22.944	-6.203	-4	...			...	12.579	+0.669	1.10	46.1015	9.6		...	5.106	+18.252	-3	...	
*	22.931	+32.304	1.50	46.1008	9.4		...	12.537	+35.668	-5	M			...	4.949	-18.804	2.10	47. 955	8.5
...	22.903	+11.442	-5	M			...	12.430	+12.722	0.85	...			...	4.934	-30.049	-3	...	
...	22.888	-8.890	0.70	...	†		...	12.396	+24.761	-4	M			...	4.896	-13.667	-5	m	
241	-22.824	-9.552	-4	...	†		301	-12.091	-35.045	2.80	47. 947	7.9		361	-4.855	+56.249	-1	...	
*	22.091	-50.637	1.60	47. 944	9.4		...	11.964	+42.622	-4	...	†		...	4.479	+19.816	-4	...	
*	21.860	-48.052	1.40	47. 945	9.5		...	11.936	-6.656	-5	...	...		...	4.363	+12.185	0.65	...	
...	21.743	+47.122	-3	...			...	11.749	-37.092	-5	...			...	4.343	-6.699	-5	m	
...	21.605	+15.900	0.80	...			...	11.712	+48.187	1.05	46.1016	10.0		...	4.141	-4.595	-3	...	
...	21.567	-56.915	-3	...			...	11.621	-11.178	0.75	...			...	4.016	-9.681	-3	m	
...	21.473	-15.312	-3	...			...	11.516	-2.426	-5	...			...	3.915	+24.405	-1	...	
*	21.423	+10.458	1.80	46.1009	8.8	*	...	11.324	+28.681	0.95	...			...	3.896	+15.129	0.95	46.1024	10.0
†	20.925	+4.908	0.75	46.1010	10.0		...	11.324	-2.095	0.65	...			...	3.359	-50.795	1.00	...	
*	20.793	+5.782	1.00	46.1011	9.7		...	10.747	-24.512	0.75	...			...	2.997	-49.476	-3	...	
251	-20.776	+15.331	-5	M			311	-10.432	+43.782	-5	M			371	-2.953	+24.861	-5	m	
*	20.199	-27.234	1.20	47. 946	9.9		...	10.389	+11.007	-4	...			...	2.774	+40.360	-5	M m	
...	19.585	+40.713	-5	M			...	10.290	-7.328	0.65	...			...	2.760	-26.612	1.00	47. 956	10.0
...	19.518	+27.563	-5	M			...	10.041	-31.497	-1	...			...	2.591	+21.855	1.60	46.1025	9.4
*	19.510	-19.138	1.00	...	†		...	9.932	-55.372	-1	...			...	2.569	+53.914	-3	...	
...	-19.180	+20.507	0.70	...	†		...	9.926	+34.758	0.75	...			...	2.524	-10.135	-5	...	
...	18.988	+21.506	-5	M			Sn+	9.842	-41.741	3.00	47. 948	7.7		...	2.179	-15.831	-4	...	
...	18.876	-20.180	0.75	...	n*		...	9.623	+31.279	1.00	46.1017	9.7		...	2.020	+6.232	-3	M	
...	18.837	-3.212	0.65	...	...		...	9.543	+48.253	0.75	...	†		...	1.989	-44.943	-5	...	
...	18.427	+5.847	-1	A	...		...	9.537	-38.187	1.80	47. 949	8.8		...	1.933	+18.952	-5	m	
261	-18.046	-13.105	0.70	...	...		321	-9.446	-22.158	-3	...			381	-1.887	+43.039	1.60	46.1026	9.0
...	17.844	-42.814	-5	...	n*		...	9.443	-41.549	1.20	47. 948	7.7	*	...	1.839	+33.214	1.70	46.1027	9.0
...	17.794	+15.352	0.65	A	...		...	9.368	+13.246	0.65	...			...	1.788	-45.527	1.20	47. 957	10.0
*	17.110	+24.128	0.90	...	n*		...	9.319	+31.220	1.30	46.1017	9.7		...	1.418	+3.310	-5	M m	
...	16.966	+5.987	0.65	A	...		...	8.806	-47.880	0.95	47. 950	10.0		...	1.378	-49.844	-5	m	
*	-16.912	-22.113	0.90	...	...		...	8.459	+0.503	-5	M m			...	1.216	+31.925	-4	M	
...	16.805	-8.400	-5	...	*		...	8.454	+40.457	1.20	46.1018	9.7		...	1.184	+37.505	0.80	...	
*	16.800	+48.584	1.50	46.1012	9.5	*	...	8.428	+42.944	1.40	46.1019	9.5		...	1.041	+22.356	-1	...	
...	16.650	+44.243	-5	M	...		...	8.154	-9.997	-3	...			...	0.953	-28.331	-5	...	
...	16.626	+56.053	-1	...	...		...	7.907	+50.939	1.00	46.1021	10.0	*	...	0.874	-7.732	1.20	47. 958	9.9

317, 322. C.P.D., mass.

318, 324. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
391-450																		
39 ^I	- 0·846	+ 30·821	1·10	46·1028	9·9	45 ^I	+ 6·218	+ 42·776	- 5	M m	...	51 ^I	+ 15·003	+ 38·096	1·40	46·1040	9·5	
*	0·718	- 11·281	3·50	47· 959	7·6	...	6·268	- 39·510	- 5	...	...	...	15·176	- 40·848	1·00	47· 978	10·0
*	0·403	+ 22·171	1·00	46·1030	10·0	...	6·339	+ 15·577	0·95	...	...	...	15·509	+ 31·122	0·90	...	...
*	0·290	+ 47·219	1·80	46·1029	9·0	S *	6·567	- 30·415	2·50	47· 967	8·0	...	15·551	- 7·698	- 4	...	...
...	0·284	+ 33·342	- 1	...	...	...	6·628	+ 6·625	- 5	M	...	...	15·564	+ 39·351	- 5	...	...
...	- 0·275	- 34·877	0·75	...	...	...	6·762	+ 40·549	0·70	...	...	...	+ 15·801	+ 21·409	1·00	...	...
...	0·254	+ 33·053	- 4	M	...	*	6·848	- 56·445	1·10	...	...	*	15·817	+ 31·864	1·00	46·1042	10·0
...	0·210	+ 51·224	- 3	...	...	*	6·896	+ 19·976	1·00	46·1035	9·9	...	15·906	+ 56·408	1·00	46·1041	10·0
...	- 0·199	- 30·505	- 4	...	...	...	7·455	- 24·141	0·70	...	...	...	16·168	- 45·646	- 2	...	...
...	+ 0·019	+ 3·094	0·65	M	...	...	7·592	+ 27·841	- 5	M	...	...	16·773	+ 48·484	- 2	...	...
40 ^I	+ 0·046	- 27·807	- 5	m	...	...	7·808	- 39·441	- 5	M m	...	...	+ 16·835	- 4·567	- 3	...	...
...	0·060	+ 1·834	- 5	M m	...	...	8·042	+ 38·905	- 5	...	...	...	16·874	+ 31·055	- 5	m	...
...	0·070	+ 31·008	- 5	M m	...	...	8·234	+ 59·162	- 1	...	...	...	17·085	- 13·628	- 1	...	...
...	0·117	- 40·504	- 5	...	...	...	8·486	- 8·357	- 5	...	...	...	17·276	- 5·321	- 4	...	...
*	0·167	+ 48·252	0·95	46·1031	10·0	...	8·734	+ 31·585	0·65	...	...	...	17·388	+ 12·502	0·70	...	...
...	+ 0·207	- 48·047	- 5	...	...	...	9·162	+ 47·290	- 5	...	...	...	+ 17·560	+ 15·074	- 3	...	...
...	0·370	+ 41·094	- 5	M	...	*	9·172	- 4·000	1·10	47· 968	10·0	...	17·596	+ 13·202	0·80	...	...
...	0·542	+ 33·736	- 5	M	...	...	9·451	+ 23·969	- 5	...	...	*	17·751	+ 31·184	0·85	...	...
...	0·560	+ 44·597	- 5	M	...	*	9·597	- 2·756	1·00	47· 969	10·0	...	18·404	+ 22·621	- 4	...	...
*	0·599	- 31·174	1·50	47· 960	9·8	...	9·690	+ 10·779	0·65	...	...	*	18·654	+ 33·948	1·20	46·1043	9·9
41 ^I	+ 0·808	+ 21·429	- 5	M m	47 ^I	+ 9·791	- 20·353	0·85	53 ^I	+ 18·729	- 41·787	- 3
...	1·053	+ 53·310	- 4	...	...	†	9·917	+ 31·004	0·70	...	...	...	18·841	- 36·774	- 1	...	...
*	1·202	- 53·947	1·60	47· 961	9·4	...	10·213	+ 20·318	0·70	...	...	...	19·205	+ 37·172	- 5	...	...
...	1·291	+ 42·646	0·75	...	...	*	10·216	+ 27·175	1·15	46·1036	9·9	...	19·213	+ 15·089	1·00	46·1044	10·0
...	1·536	- 36·981	0·70	...	...	...	10·238	- 45·584	- 4	m	...	...	19·582	- 42·629	- 5	...	...
...	+ 1·627	+ 41·569	- 1	M	...	*	10·537	- 2·865	1·05	47· 970	10·0	...	+ 19·835	+ 47·880	0·75	...	...
...	1·720	- 58·311	0·85	...	...	...	10·776	+ 21·952	- 1	...	...	...	19·837	+ 2·771	- 4	...	...
...	1·843	+ 58·760	0·80	...	...	...	11·069	+ 42·991	- 3	...	...	...	19·968	+ 5·686	- 5	m	...
...	1·990	+ 27·501	- 3	M	...	...	11·104	- 39·783	- 4	...	...	...	19·971	+ 22·248	0·70	...	...
...	2·468	+ 17·868	0·65	M	...	...	11·164	- 4·626	- 5	m	...	...	20·110	- 6·629	- 2	...	...
42 ^I	+ 2·627	- 25·246	- 1	48 ^I	+ 11·170	+ 8·292	0·70	54 ^I	+ 20·241	+ 58·773	- 4
...	2·904	+ 52·426	- 4	...	...	...	11·372	+ 55·758	- 1	...	...	...	20·481	- 53·737	1·00	...	...
...	3·054	- 0·491	0·65	...	...	*	11·560	- 45·212	1·40	47· 971	9·9	...	20·531	- 57·002	- 5	...	...
...	3·204	- 50·005	- 5	...	...	...	11·630	- 2·599	- 5	...	...	...	20·542	- 7·506	- 5	m	...
...	3·227	- 39·262	0·70	...	...	...	11·700	+ 35·446	- 5	...	...	...	20·559	- 34·164	- 4	...	...
...	+ 3·323	+ 16·687	- 5	M	...	...	11·982	- 31·362	- 5	m	...	...	+ 20·569	- 8·500	- 5	...	...
*	3·395	- 59·673	1·90	47· 962	9·2	*	11·989	- 9·964	1·20	47· 972	9·6	...	20·649	+ 36·745	0·65	...	...
...	3·571	- 32·167	0·65	...	...	...	12·070	+ 7·022	- 1	...	...	*	20·701	+ 45·303	1·00	46·1045	10·0
...	3·954	+ 5·727	0·75	...	...	...	12·127	+ 20·720	- 3	...	...	...	20·890	- 13·658	- 4	...	...
*	4·126	- 38·864	1·10	47· 963	10·0	*	12·316	- 21·118	1·10	47· 973	10·0	...	20·961	+ 54·456	- 3	...	...
43 ^I	+ 4·187	+ 6·339	- 5	M m	49 ^I	+ 12·349	- 34·736	- 1	55 ^I	+ 21·033	- 27·890	- 5	m	...
...	4·382	+ 50·780	- 5	...	...	...	12·390	- 34·828	0·90	47· 974	10·0	*	21·089	+ 21·571	0·90	...	...
*	4·407	- 7·065	1·60	47· 964	9·2	...	12·630	- 24·908	- 3	...	...	...	21·406	+ 31·109	0·90	...	...
...	4·432	- 42·809	- 5	...	...	*	12·954	- 59·133	3·00	47· 976	7·8	*	21·418	- 25·632	1·00	47· 979	10·0
...	4·505	+ 50·139	- 2	...	...	...	13·027	+ 39·470	0·75	...	...	...	21·508	- 37·012	0·65	...	...
...	+ 4·541	- 59·355	- 4	...	...	...	13·081	+ 28·812	- 5	m	...	*	+ 21·560	+ 29·462	5·00	46·1046	6·8
...	4·643	- 8·316	- 5	m	...	*	13·095	- 26·852	1·30	47· 975	9·7	...	21·605	+ 22·848	- 5	...	...
...	4·670	- 51·301	- 5	...	...	...	13·210	- 38·311	- 3	...	...	...	21·812	- 28·927	- 4	...	...
*	4·750	- 47·386	1·00	47· 965	10·0	...	13·321	+ 28·135	1·00	...	...	...	21·955	- 23·386	- 1	...	...
...	4·767	+ 24·751	0·70	...	...	*	13·335	+ 30·179	1·05	46·1037	10·0	...	21·979	+ 23·279	- 5	m	...
44 ^I	+ 4·870	- 52·648	1·05	47· 966	10·0	...	50 ^I	+ 13·374	- 50·236	- 1	56 ^I	+ 21·997	- 55·709	- 5
*	5·231	+ 25·231	2·10	46·1032	8·4	...	13·385	+ 9·973	- 4	S *	22·005	+ 57·046	2·60	46·1047	8·2
*	5·416	+ 31·057	1·05	46·1033	10·0	*	13·476	+ 32·500	2·00	46·1038	9·1	...	22·064	+ 50·847	- 5	...	...
...	5·471	- 4·289	0·70	...	...	*	13·574	- 38·234	1·00	47· 977	10·0	...	22·138	- 28·828	- 1	...	...
...	5·539	+ 16·259	0·80	...	...	...	13·660	- 4·968	0·70	...	...	...	22·259	+ 26·787	- 5	...	...
...	+ 5·760	+ 30·858	0·80	...	...	...	13·953	- 14·410	0·85	...	...	*	+ 22·372	+ 9·737	0·95	46·1050	10·0
...	5·907	- 37·914	0·75	...	...	*	14·086	+ 44·787	0·70	...	...	...	22·378	- 20·172	- 4	...	...
...	5·947	- 27·535	- 1	...	...	*	14·544	+ 24·294	3·60	46·1039	7·6	*	22·388	- 58·462	1·60	47· 980	9·4
*	6·051	+ 25·966	1·40	46·1034	9·5	†	14·920	- 52·713	- 5	...	...	*	22·616	+ 47·263	1·20	46·1048	9·7
...	6·111	+ 24·556	0·70	...	...	†	14·987	- 31·268	- 4	...	...	*	22·618	+ 55·567	1·20	46·1049	9·7

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.	Mag.		
571-630																			
571	+22·696	+12·611	-5	o	...	...	631	+29·669	+2·524	0·65	o	...	...	691	+36·547	-32·139	-3	o	...
...	22·907	-31·054	-2	...	...	...	...	29·787	-43·893	-5	...	...	...	...	36·569	-38·779	-4	...	...
...	23·150	+0·303	-4	m	...	...	...	29·888	-49·620	1·00	47·988	9·7	...	...	36·650	-42·119	-5	...	...
...	23·349	+18·729	0·80	...	...	...	...	29·925	-37·930	1·40	47·987	9·8	...	...	36·671	+31·566	-5	m	...
*	23·470	+17·818	1·00	46.1051	10·0	*	...	30·132	-22·819	1·05	47·986	10·0	*	...	36·693	+18·035	1·90	46.1064	8·8
*	+23·487	-25·710	0·90	...	...	...	...	+30·534	-3·550	-5	...	...	*	...	+36·794	-15·411	-5	...	...
...	23·531	-34·092	0·70	...	...	...	...	30·555	-20·453	-5	m	...	...	...	36·897	+2·735	-5	...	...
...	23·543	+11·549	-5	...	...	...	...	30·607	+20·482	-5	...	...	*	...	37·078	+40·888	1·60	46.1065	9·0
...	23·558	+49·437	0·65	...	...	...	...	30·624	-29·479	-1	...	...	...	...	37·107	-42·800	-3	...	...
*	23·578	+24·024	1·40	46.1052	9·4	...	...	30·641	+23·726	-4	...	...	...	...	37·156	+19·364	0·70	...	...
581	+23·649	+56·960	-5	...	...	...	641	+30·645	-22·253	0·85	...	...	...	701	+37·160	-28·471	-4	...	...
...	23·731	+33·141	-5	...	...	...	...	30·760	-41·842	0·80	...	...	...	...	37·292	+40·444	-5	...	...
...	23·970	+28·408	0·90	...	...	...	...	30·773	+36·063	0·75	...	...	...	...	37·675	-55·526	0·80	...	...
...	23·992	-44·188	-5	...	...	...	...	30·785	-7·239	1·00	47·989	10·0	...	...	37·806	-24·114	-3	...	...
...	24·050	+32·887	0·65	...	...	...	...	31·299	-1·969	-3	...	...	...	...	37·813	-19·922	-1	...	...
*	+24·052	+19·524	0·75	...	...	*	...	+31·313	+32·606	1·05	46.1061	9·8	...	...	+37·894	+1·628	-5	...	...
*	24·405	+35·479	1·15	46.1053	9·6	...	...	31·476	-51·046	1·40	47·991	9·8	...	...	37·908	+0·564	-5	...	...
...	24·748	+49·648	0·70	...	...	...	...	31·624	+10·239	-3	...	...	...	...	38·004	+19·096	-4	...	...
†	24·905	-0·072	0·70	a	...	...	...	31·640	+3·813	-1	...	...	...	...	38·049	-1·248	-4	...	...
*	24·996	+48·871	1·40	46.1054	9·7	*	...	31·854	-59·032	1·80	47·992	9·0	...	...	38·149	-27·999	0·95	...	...
591	+25·117	+0·707	-5	...	...	...	651	+31·887	-4·733	-5	m	...	...	711	+38·224	-11·757	1·10	47·998	9·9
...	25·132	+54·332	-3	...	...	*	...	31·919	-20·117	1·60	47·990	9·1	...	...	38·680	-51·073	0·90	...	...
...	25·262	+22·536	-4	...	...	...	...	32·069	+22·302	0·70	...	...	...	S *	38·682	-38·006	2·60	47·999	8·6
...	25·296	-19·783	-4	...	...	...	...	32·193	-19·346	-5	...	...	...	...	38·895	-42·400	-1	...	...
...	25·322	+2·864	-1	...	...	...	...	32·218	+53·353	-5	...	...	...	...	39·039	+2·244	-4	...	...
...	+25·456	-18·252	-4	...	...	...	...	+32·251	+22·963	-1	...	...	...	...	+39·103	+16·488	0·85	...	...
...	25·523	+42·230	-5	m	...	...	...	32·308	+0·075	-3	m	...	...	...	39·172	+40·476	-1	...	...
...	25·725	+35·092	-5	m	...	...	...	32·994	+6·010	-3	...	...	...	...	39·260	+2·817	1·00	46.1066	10·0
...	25·735	-11·980	-5	m	...	*	...	33·159	+17·560	1·10	46.1062	9·9	...	...	39·360	+15·053	-5	...	...
*	25·762	+44·931	1·90	46.1055	8·8	...	...	33·218	+25·808	-5	...	...	...	...	39·478	-12·695	2·00	47.1000	8·6
601	+26·198	+36·437	0·75	...	...	...	661	+33·805	+37·245	-5	...	...	...	721	+39·714	+33·963	-5	...	...
*	26·365	-17·773	2·00	47·981	8·8	...	...	33·847	+20·750	-5	...	...	...	...	39·768	-32·009	0·65	...	...
...	26·391	+21·892	-5	...	...	...	...	33·853	+59·165	-1	...	...	...	...	39·797	+15·492	-5	...	...
...	26·505	-50·532	-1	...	...	...	...	33·856	-3·021	-4	...	...	...	...	39·871	-52·331	-4	...	...
...	26·589	-28·611	-5	m	...	...	...	34·111	-5·100	-4	...	...	...	...	40·134	-31·225	-5	...	...
...	+26·944	-19·859	-5	...	...	*	...	+34·175	-12·630	2·80	47·993	7·8	...	...	+40·187	-37·768	-5	...	...
...	27·006	+25·115	-5	...	...	...	...	34·240	-15·440	-3	...	...	...	...	40·519	-19·671	-5	m	...
...	27·247	-8·601	-5	...	...	...	...	34·331	+52·719	0·75	...	...	...	...	40·584	+4·391	-5	m	...
...	27·251	+13·258	0·65	...	...	...	...	34·387	-26·831	-4	...	...	...	...	40·592	+45·992	-5	m	...
...	27·581	-9·058	-2	...	...	*	...	34·857	+20·739	0·95	...	...	...	...	40·652	+21·978	-5	...	...
611	+27·716	-40·389	-5	...	...	...	671	+35·003	+46·004	-5	...	...	...	731	+40·742	+53·090	-5	...	...
...	27·732	+26·293	-2	...	...	...	...	35·142	+34·046	-3	...	...	...	...	40·844	+56·786	-5	...	...
...	27·778	-0·779	0·70	...	...	*	...	35·269	-29·708	1·00	47·995	10·0	...	...	41·013	+6·071	-5	m	...
*	27·984	+46·698	1·20	46.1056	9·8	...	...	35·314	-13·762	0·80	...	...	*	...	41·175	+51·516	1·15	46.1067	10·0
*	27·997	-18·929	0·95	...	...	...	...	35·339	+10·531	-4	...	...	...	...	41·200	+3·748	-4	m	...
*	+28·522	-5·992	1·30	47·982	9·4	...	...	+35·384	-20·323	-5	...	...	...	...	+41·327	-40·842	-5	...	...
*	28·750	-34·223	1·00	47·984	10·0	...	...	35·394	-25·389	1·10	47·994	10·0	...	...	41·397	+44·507	-5	...	...
†	28·904	+49·754	-5	...	...	...	...	35·501	+15·454	-5	...	...	...	...	41·631	-32·636	0·90	...	...
...	28·927	-12·103	-5	...	...	*	...	35·731	-55·102	1·40	47·996	9·7	...	...	41·737	+33·893	0·70	...	...
...	28·959	+30·623	-5	...	...	...	...	35·746	-51·281	0·80	...	...	*	...	41·864	+18·738	1·10	46.1068	9·8
*	+28·995	+0·362	1·80	46.1058	9·2	...	681	+36·030	+22·793	-5	...	...	...	741	+41·864	-30·895	-5	m	...
*	29·000	-54·011	0·95	47·985	10·0	*	...	36·099	+2·829	1·40	46.1063	9·4	...	...	41·931	+15·348	-5	m	...
...	29·023	+10·334	-5	...	...	...	...	36·161	+29·926	-2	...	...	...	...	42·019	+30·056	-5	...	...
S *	29·097	+8·914	1·80	46.1057	8·8	...	...	36·188	-47·692	0·70	...	...	...	...	42·144	-53·890	1·00	47.1001	10·0
...	29·338	-21·624	-5	...	...	...	...	36·294	+12·585	-5	...	...	...	...	42·424	-10·765	-4	...	...
...	+29·350	+51·887	-1	...	...	*	...	+36·303	-27·930	1·15	47·997	9·7	*	...	+42·516	-39·166	1·10	47.1002	10·0
...	29·371	+7·486	0·90	46.1060	10·0	...	...	36·359	-51·229	0·90	...	...	...	...	42·630	+11·178	-3	...	...
...	29·398	-57·237	-5	...	...	...	...	36·431	-34·932	-5	m	...	...	...	43·002	-30·072	-4	...	...
*	29·424	+18·740	1·80	46.1059	8·8	...	...	36·536	+31·602	-5	...	...	...	...	43·150	-13·353	0·80	...	...
...	29·603	+12·753	0·65	...	...	...	...	36·543	-5·557	-4	...	...	...	...	43·221	+10·629	-5	m	...

- 47°

No. 41

CAPE ASTROGRAPHIC ZONE.

1902·08

6^h 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-r.	No.	Mag.		x.	y.	-r.	No.	Mag.		x.	y.	-r.	No.	Mag.
751-790																	
751	+43°230	+7°180	-5	o	...	791	+49°328	-57°242	-5	o	...	831	+55°303	+39°456	-3	o	...
...	43°455	+26°366	-5	m	...	†	49°868	-15°057	0°70	...	...	...	55°322	-24°146	0°65	...	...
...	43°617	+10°733	0°85	...	...	S*	49°987	+18°451	2°70	46.1073	7°9	...	55°903	-57°131	-4	...	...
*	43°890	+21°523	1°10	46.1069	10°0	...	50°188	-6°092	-5	...	...	...	56°355	-58°241	-5	...	...
...	44°105	+54°692	-4	...	...	...	50°254	+37°558	-3	...	...	...	56°590	-13°393	-3	...	...
...	+44°168	-5°354	-1	...	...	...	+50°309	+2°879	0°90	...	...	...	+56°826	-1°185	-3	...	...
...	44°170	+18°487	-5	...	...	...	50°680	-37°532	1°00	...	...	...	57°225	-12°494	-1	...	...
...	44°463	+9°287	0°65	...	...	...	50°699	+1°005	-3	...	...	...	57°227	-54°364	-5	...	...
...	44°502	+28°813	0°70	...	...	...	50°831	+28°832	0°65	...	...	...	57°268	+10°286	-5	...	...
†	44°506	-24°954	0°70	...	...	...	50°946	-6°450	0°85	...	...	...	57°532	+1°344	-5	...	...
761	+44°551	-21°011	0°70	...	...	801	+50°964	-1°687	0°95	46.1077	10°0	841	+57°817	-6°700	-1	...	...
†	44°775	+42°075	0°65	...	...	*	51°033	+11°352	1°10	46.1076	10°0	...	57°817	-34°843	-4	...	...
...	45°053	+24°474	0°85	...	...	...	51°138	+57°073	1°00	46.1074	10°0	*	58°382	+22°407	1°20	46.1080	9°8
*	45°146	+46°119	2°00	46.1070	9°5	...	51°186	+41°206	-3	...	...	...	58°452	+35°345	0°70	...	...
...	45°169	+51°865	-4	...	...	...	51°226	-13°520	0°70	...	...	...	58°529	-22°417	-3	...	...
...	+45°211	+35°872	-5	...	...	†	+51°301	-34°915	-4	...	...	e	+58°623	-0°520	1°00	46.1081	10°0
...	45°396	+37°273	0°80	...	...	...	51°411	-41°197	-3	...	...	...	58°722	-16°241	-4	...	...
...	45°399	-21°001	-5	...	...	*	51°421	+8°887	1°60	46.1078	9°6	...	58°915	-41°781	-4	...	...
...	45°457	+6°072	0°65	...	...	...	51°422	+58°063	0°80	45.1085	10°0	...	58°951	-28°741	-3	...	...
...	45°687	-30°070	-3	...	...	...	51°494	-6°589	0°80	...	...	...	59°230	+8°294	-3	...	...
771	+45°781	+6°006	0°90	...	...	811	+51°573	-29°691	-5	...	...	851	+59°316	-23°006	-5	...	...
*	46°241	+18°097	1°80	46.1071	9°0	*	51°654	+36°684	1°60	46.1075	9°2	...	59°527	-57°676	0°65	47.1008	10°0
...	46°329	-52°055	-1	...	...	...	51°820	-50°808	-5	...	...	*	59°653	-9°496	1°10	47.1007	10°0
...	46°735	-57°135	-4	...	...	...	52°097	+46°485	-5	...	...	...	59°693	+31°852	-4	...	...
...	46°751	+29°731	0°80	...	...	*	52°322	-26°046	1°40	47.1004	9°4	...					
...	+46°933	-6°085	-5	...	...	...	+52°423	+24°031	-4	...	...				
...	47°012	-28°889	-4	...	...	...	52°617	-0°832	0°70	...	...				
...	47°305	-2°694	0°70	...	...	...	53°095	+7°932	1°00	46.1079	10°0						
*	47°378	+37°603	1°60	46.1072	9°7	...	53°118	-16°414	0°75	...	...				
...	47°384	+2°840	0°85	...	...	...	53°168	+10°945	-5	...	...				
781	+47°714	-47°544	-4	...	...	821	+53°269	+21°432	-5	...	...				
...	47°902	+24°653	-5	...	...	...	53°320	-27°916	-4	...	...				
...	47°969	-41°303	-5	m	...	...	53°341	+45°816	-5	...	...				
...	48°106	-47°608	-5	...	...	...	53°821	-15°801	-5	...	...				
S*	48°142	-18°595	2°30	47.1003	8°3	...	54°115	-39°740	-4	...	...				
...	+48°203	+33°820	-5	...	...	*	+54°157	-43°549	1°20	47.1005	10°0						
...	48°276	+40°469	0°90	...	...	...	54°479	+24°349	-5	...	...				
...	48°397	+10°418	0°90	...	...	...	54°639	-16°942	-5	...	...				
...	49°142	-13°660	-5	...	...	†	54°851	-18°302	0°80	...	...				
...	49°286	+7°761	-1	...	...	†	54°865	-25°508	-4	...	...				

- 47°

No. 42

D,-2

1902·08

6^h 55^m

1-10						11-20						21-30					
I	-59°640	-32°924	0°65	o	...	II	-58°361	-30°327	-5	o	...	21	-56°524	+29°570	-2	o	...
...	59°566	-11°046	-5	...	...	...	58°140	+9°067	-4	...	...	*	56°150	+37°441	1°30	46.1072	9°7
...	59°140	+21°251	0°95	46.1069	10°0	...	58°137	+37°063	-5	...	...	...	55°339	+40°345	-2	...	...
...	59°055	+10°476	-3	...	...	...	58°041	+24°251	-4	...	...	...	55°029	+2°711	0°65	...	...
...	58°877	+41°827	-5	...	...	...	57°990	-5°594	-5	...	...	†	54°925	-2°837	-4	...	...
...	-58°756	+28°572	-4	...	...	...	-57°089	-21°217	-4	...	...	...	-54°383	-29°032	-5	...	...
...	58°750	-13°610	-3	...	...	...	57°049	+5°874	-5	...	...	...	54°339	-52°212	-5	...	...
*	58°639	+45°896	1°40	46.1070	9°5	...	57°015	-25°168	-4	...	...	...	54°261	+10°305	-3	...	...
...	58°548	-39°438	1°00	47.1002	10°0	...	56°741	+5°823	0°80	...	...	...	53°791	-57°267	-5	...	...
...	58°452	-54°165	-1	47.1001	10°0	*	56°666	+17°917	2°20	46.1071	9°0	S*	53°588	-18°690	2°60	47.1003	8°3

C measured from 1, 123, 270, 406, 561, 676.
NM , , , 56, 192, 343, 480, 616, 746.6^h 55^m

70

- 47°

Notes	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
31-90																	
31	-53·285	+7·679	-5	o	...	91	-43·980	+50·294	0·70	...	...	151	-35·835	-12·737	-4	...	...
...	53·278	+37·491	-4	...	...	E	43·701	-0·303	0·95	46·1081	10·0	...	35·743	+36·665	-4	...	...
...	53·107	-47·649	-4	...	...	n	43·691	+51·756	1·10	46·1082	9·8	...	35·416	+22·793	-4	...	...
S *	53·000	+57·047	1·00	46·1074	10·0	...	43·652	+32·117	0·80	...	...	...	35·395	-18·802	0·90	...	...
...	52·919	+18·397	2·80	46·1073	7·9	n	43·512	+51·705	0·95	46·1082	9·8	...	35·115	+24·532	-3	...	...
...	52·790	+58·030	0·80	45·1085	10·0	...	43·416	+42·485	-5	...	...	...	35·105	-34·870	-5	...	...
...	52·752	-13·739	-5	...	...	...	43·409	-34·616	0·70	...	...	...	35·054	-31·958	-4	...	...
...	52·461	+41·175	-5	...	...	...	43·393	-54·151	-4	...	...	S *	34·931	-52·358	1·90	47·1011	9·0
...	52·424	+28·802	-1	...	...	...	43·372	+8·539	0·65	...	...	*	34·670	-2·505	1·60	47·1012	9·4
...	52·104	+2·833	1·00	...	...	...	43·092	-15·997	-3	...	...	*	34·499	+38·992	1·60	46·1089	9·4
41	101																
...	-51·970	-15·093	-3	...	...	...	-43·087	-22·185	0·80	...	...	...	-34·489	-14·368	-3	...	...
...	51·060	-6·120	-5	...	...	...	43·067	+23·473	0·65	...	...	...	34·410	-2·680	-4	...	...
*	51·835	+36·664	2·00	46·1075	9·2	...	42·793	+34·321	-1	...	...	...	34·170	+24·469	-5	...	...
...	51·741	+46·459	-5	...	...	...	42·735	+36·378	0·80	...	...	*	34·096	+23·923	1·00	46·1090	10·0
...	51·660	+0·972	-4	...	...	...	42·662	+13·725	0·70	...	...	*	34·062	-40·627	1·20	47·1013	10·0
...	51·652	+11·332	1·00	46·1076	10·0	...	42·469	-28·480	0·80	...	...	...	-33·966	-26·862	0·75	...	...
...	51·297	-1·700	1·00	46·1077	10·0	*	42·386	-9·242	1·05	47·1007	10·0	...	33·672	-51·942	-5	...	...
...	51·188	+8·885	1·30	46·1078	9·6	...	42·268	-22·761	-5	...	...	...	33·611	+30·521	-5	M	...
...	51·176	-6·460	0·65	...	...	...	42·079	-41·535	0·70	...	...	...	33·565	+6·300	-4	...	...
...	50·873	+28·911	-5	...	...	...	41·818	+34·670	0·95	...	...	*	33·446	-6·180	1·00	47·1014	10·0
51	111																
...	-50·668	+24·057	-5	...	...	S *	-41·742	+41·694	3·00	46·1083	8·1	...	-33·317	+58·622	-3	...	...
...	50·653	-13·532	0·70	...	...	...	41·650	-13·509	0·70	...	...	†	33·305	-25·144	-5	M	...
...	50·625	-6·589	0·75	...	...	...	41·247	-30·338	0·65	...	...	...	33·299	-34·246	-4	...	...
...	50·476	+45·850	-5	...	...	...	41·067	+4·810	-5	...	...	...	32·980	+49·263	-5	M	...
...	50·457	-37·537	1·00	...	...	*	40·957	-57·385	1·10	47·1008	10·0	...	32·929	-20·909	0·95	...	...
...	-49·900	-34·906	-1	...	...	...	-40·791	+17·957	-3	...	...	...	-32·881	-14·914	-1	...	...
...	49·830	-29·678	-5	...	...	...	40·490	-30·009	-1	...	...	...	32·769	-55·151	0·95	47·1015	10·0
...	49·752	+21·476	-5	...	...	...	40·476	+41·710	0·70	...	...	...	32·430	-37·299	-3	...	...
...	49·673	-0·792	0·80	...	...	...	40·435	+27·130	-5	...	...	...	32·350	+23·893	-3	...	...
...	49·607	-41·161	0·70	...	...	...	40·326	+41·456	0·85	...	...	...	31·973	+22·472	-4	...	...
61	121																
...	-49·484	+7·981	1·05	46·1079	10·0	...	-40·222	+0·029	-2	α	...	...	-31·649	+13·305	0·70	...	...
...	49·174	-26·010	1·30	47·1004	9·4	...	40·214	-31·460	0·65	...	...	...	31·571	+37·898	-5	...	...
...	48·889	-50·780	-4	...	...	†	39·969	-39·924	0·85	...	...	...	31·539	+45·409	-5	...	...
...	48·680	-16·359	0·80	...	...	...	39·659	+12·249	-4	...	...	*	31·336	-15·645	1·20	47·1016	9·8
...	48·648	+24·433	-4	...	...	*	39·531	-19·285	1·00	...	...	...	31·211	+44·815	-5	...	...
...	-48·291	+39·556	0·70	...	...	...	39·492	+17·059	-4	...	...	...	-31·098	+43·870	-5	...	...
...	48·124	-27·847	-3	...	...	*	39·428	+7·713	1·00	46·1085	10·0	*	30·883	-12·259	1·00	47·1017	10·0
...	48·002	-15·724	-5	...	...	...	39·419	+12·130	-5	...	...	...	30·515	+21·259	-5	...	...
...	47·153	-16·831	-5	...	...	...	39·305	+4·114	-5	...	...	*	30·423	-40·397	-5	...	...
...	47·013	+46·264	-5	...	...	...	39·235	+5·140	-5	...	...	*	30·325	+41·203	1·50	46·1091	9·4
71	131																
...	-46·955	-39·628	-2	...	...	...	-39·194	+31·152	-4	...	...	...	-30·113	+17·138	0·70	...	...
...	46·896	-18·86	0·85	...	...	α	39·179	-0·379	0·90	46·1084	10·0	...	29·999	-45·486	-1	...	...
*	46·774	-43·438	1·05	47·1005	10·0	...	38·853	+27·783	-5	...	...	*	29·939	+25·349	1·30	46·1092	9·7
...	46·644	-25·384	-5	...	...	...	38·798	-53·449	-4	...	...	...	29·877	-18·846	-5	M	...
...	46·643	+54·319	-5	M	...	...	38·760	+31·210	0·65	...	...	...	29·780	+34·188	0·75	...	...
...	-46·251	-23·997	0·85	...	...	...	38·546	+12·402	-5	...	...	*	29·424	+34·618	1·15	46·1093	9·6
...	45·490	-1·020	-1	...	...	...	38·244	+46·038	0·75	...	...	...	29·359	-29·644	-5	...	...
...	45·405	+10·462	-5	...	...	...	38·160	-40·383	0·80	...	...	*	29·222	+16·447	1·10	46·1094	9·8
...	45·312	-13·228	-1	...	...	...	38·128	-14·261	0·65	...	...	*	29·032	-32·235	1·40	47·1018	9·7
...	45·272	+48·373	-5	...	...	*	37·798	-6·502	1·20	47·1009	9·8	*	28·950	-50·908	1·20	47·1019	10·0
81	141																
...	-45·031	+35·562	0·85	...	...	...	-37·412	+56·334	-3	...	...	...	-28·868	+33·199	-4	...	...
...	44·850	+1·526	-5	...	...	...	37·247	-24·477	-4	...	...	*	28·797	+12·284	1·00	...	...
...	44·703	-12·296	0·70	...	...	+	37·079	+4·864	1·00	46·1086	10·0	...	28·781	+15·155	-5	M	...
*	44·669	+22·615	1·10	46·1080	9·8	...	37·036	-22·243	0·70	...	...	†	28·456	-25·120	0·70	...	...
...	44·601	-56·973	0·65	...	...	...	36·942	+57·090	0·90	46·1088	10·0	...	28·433	+24·292	-5	...	...
...	-44·421	-44·903	-5	...	...	*	-36·906	+17·168	1·60	46·1087	9·4	...	-28·352	+24·336	-5	...	...
...	44·391	+20·499	-5	...	...	*	36·749	-34·816	1·60	47·1010	9·2	*	28·026	-29·986	1·30	47·1020	9·5
...	44·317	-6·495	0·80	...	...	...	36·638	+36·216	-5	...	...	*	27·929	-2·557	1·30	47·1022	9·7
...	44·131	-58·048	-3	...	...	...	36·244	+9·195	-3	...	...	*	27·908	-42·032	1·30	47·1021	9·7
...	44·018	-3·478	-5	M	...	...	35·867	-24·566	1·00	...	...	...	27·907	-8·047	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
211-270						271-330						331-390							
211	-27·836	-6·835	0·65	◦	...	271	-19·928	-18·843	-5	◦	...	331	-12·203	-13·960	-3	◦	...		
...	-27·822	-49·484	0·75	...	...	...	19·817	+42·344	-4	...	...	...	12·193	+57·438	1·60	46.1111	9·2
*	27·652	-35·283	1·10	47.1023	10·0	...	19·780	+10·654	0·85	...	...	...	12·171	-58·386	-5	...	...
...	27·548	-18·789	-3	...	...	...	19·713	+30·919	-4	...	...	...	12·125	+17·832	-3	...	...
*	27·547	-42·329	1·70	47.1024	9·4	...	19·712	+16·719	-5	...	...	...	11·414	+7·520	0·90	...	...
*	-27·222	+38·798	1·80	46.1095	9·1	...	-19·549	-32·962	0·85	...	...	...	-11·392	+49·960	0·95	46.1112	10·0
...	27·157	-12·558	0·90	...	...	...	19·436	+24·941	1·00	...	...	...	11·289	-28·356	-4	...	...
...	26·975	+14·295	0·75	...	...	...	19·309	+20·318	-2	...	...	...	11·287	+51·326	-5	...	...
*	26·758	+46·610	1·00	46.1096	10·0	...	19·262	-6·548	-4	...	...	...	11·233	+37·590	-4	...	...
...	26·246	+26·601	0·75	...	...	...	19·191	-8·600	0·70	...	...	*	11·228	-53·323	1·05	47.1034	10·0
221	*	-26·183	-53·403	1·00	47.1025	10·0	...	281	-19·119	-21·081	1·00	341	-10·972	+17·583	2·00	46.1113	8·8
...	26·160	+0·829	-5	...	...	...	18·950	-10·817	-4	...	...	*	10·734	+6·457	1·00	46.1114	10·0
...	26·025	+55·404	-5	...	...	...	18·794	-7·016	-4	...	...	...	9·959	+34·289	-5	...	...
...	25·982	+46·577	-5	...	...	*	18·638	+32·023	1·10	46.1104	9·9	*	9·912	+30·843	1·30	46.1115	9·8
...	25·954	+18·083	0·70	...	...	*	17·868	+3·742	1·50	46.1105	9·6	...	9·360	-43·588	0·95	...	...
...	25·860	-25·276	-5	...	...	...	-17·851	+32·912	-5	...	...	...	9·315	+27·824	0·70	...	...
...	25·740	-42·797	-4	...	...	S *	17·815	-21·927	2·60	47.1028	8·6	...	9·193	+41·685	0·80	...	...
...	25·467	-8·388	-5	M	...	*	17·721	+31·911	1·00	46.1106	10·0	...	9·110	-54·065	-5	m	...		
...	25·433	+29·929	-5	...	...	...	17·691	+14·691	-3	...	...	...	8·993	+33·806	-5	...	...
...	25·161	+30·533	0·65	...	...	...	17·396	+18·594	0·80	...	...	...	8·804	-52·582	-4	...	...
231	*	-25·149	-21·908	-5	...	*	-291	-17·132	-3·095	1·00	47.1029	10·0	...	351	-8·601	-36·511	-5
...	24·898	-8·605	-5	...	...	...	17·111	+28·920	-5	...	...	...	8·580	-51·348	0·70	...	...
...	24·781	-57·909	-5	...	...	...	16·856	-15·232	-3	...	...	*	8·573	-24·684	1·80	47.1035	9·2
...	24·575	+15·289	0·75	...	...	...	16·833	+5·082	-5	...	...	*	8·298	+19·133	2·00	46.1116	8·6
*	24·510	+31·864	1·05	46.1097	10·0	...	16·811	-11·794	-5	...	...	...	8·119	-14·609	-5	...	...
...	-24·493	-40·475	-5	...	...	...	-16·750	+54·969	-1	...	...	...	8·087	-6·557	0·65	...	...
...	24·308	-52·845	-5	...	...	...	16·503	+12·539	0·65	...	...	...	7·850	+0·631	-2	m	...
*	24·050	+33·576	1·00	...	...	*	16·474	-56·885	1·00	47.1030	10·0	*	7·520	+10·036	1·10	46.1118	9·9
*	23·920	+39·834	1·80	46.1098	8·8	...	16·206	+43·780	-5	...	...	*	7·374	+54·730	1·10	46.1117	9·7
...	23·729	-19·797	-5	M	...	*	16·029	+8·512	1·80	46.1107	9·2	*	7·114	+39·315	0·95	...	...
241	*	-23·681	+42·021	0·85	301	-15·982	-27·462	-5	361	-7·103	-8·563	-5	M	...
...	23·580	-27·457	0·90	...	...	...	15·911	+46·537	-5	...	...	...	7·016	+26·579	0·95	...	...
...	23·446	-11·747	-4	...	...	†	15·721	-30·136	0·70	...	...	*	6·794	+53·534	1·05	46.1119	10·0
...	23·390	-19·924	0·70	...	...	...	15·655	+8·580	-5	...	...	*	6·607	-52·843	1·50	47.1036	9·6
...	23·276	-35·238	-4	...	...	...	15·500	+22·632	-5	M	...	...	6·489	-34·322	-5	...	...
*	23·127	-30·934	-5	...	...	...	-15·359	-12·377	-5	...	...	...	6·411	+26·506	-5	m	...
...	23·096	-22·869	0·95	47.1026	10·0	...	14·811	-51·322	-4	...	...	...	6·295	+56·625	0·85	...	...
...	23·000	-35·281	-4	...	...	*	14·743	+20·949	1·80	46.1108	9·2	...	5·726	-43·429	0·90	...	...
*	22·873	-1·927	1·10	47.1027	10·0	...	14·740	-53·139	-1	...	...	...	5·662	+0·917	-5	M m	...
...	22·506	+19·586	-4	...	...	*	14·688	-39·765	2·00	...	...	...	5·447	-16·729	0·80	...	...
251	*	-22·425	-34·982	0·75	311	-14·656	-39·886	0·95	47.1031	8·6	371	-5·327	-49·244	0·90	
...	22·344	+56·422	-5	...	...	...	14·563	-9·009	-3	...	...	...	5·095	-16·942	1·00	47.1037	10·0
...	22·271	+35·340	-5	...	...	...	14·225	-7·619	-4	...	...	...	5·052	-15·680	-5	M	...
...	22·069	+37·913	-4	M	...	*	14·225	-42·141	1·20	47.1032	9·8	*	4·981	+54·030	1·30	46.1120	10·0		
*	21·840	+1·457	1·00	46.1099	10·0	...	14·113	-34·144	-3	...	...	S *	4·894	+21·764	2·20	46.1121	8·8
...	21·810	-4·439	-5	M	...	...	-14·011	+16·304	-4	...	...	...	4·865	+39·070	-4	...	...
*	21·753	+2·371	1·05	46.1100	9·9	...	13·987	+7·373	-4	...	...	...	4·840	+58·810	0·70	...	...
*	21·382	+1·044	0·95	46.1101	10·0	...	13·785	-49·155	-5	...	...	...	4·691	+15·719	-2	m	...
*	21·344	+4·556	0·95	46.1102	10·0	...	13·746	-35·626	0·85	...	...	...	4·468	-54·227	-5	...	...
...	21·296	-26·803	-5	...	...	*	13·659	+37·278	1·30	46.1109	9·5	...	4·441	-2·702	-5	M	...
261	*	-21·122	-20·475	0·80	321	-13·580	+58·942	0·90	*	-4·432	+36·775	1·50	46.1122	9·2	
*	20·866	+58·280	1·60	45.1111	9·7	...	13·450	+51·887	-5	...	...	...	4·138	+35·531	-4	...	...
...	20·711	+13·997	-5	...	...	...	13·327	-35·459	0·90	...	...	...	3·862	-7·476	-3	...	...
...	20·652	+27·171	0·80	...	...	...	13·288	+28·011	-3	...	...	...	3·660	-29·992	0·70	...	...
...	20·571	-45·452	-5	...	...	α *	13·143	+0·070	1·60	46.1110	9·2	...	3·533	+36·406	-5	...	...
*	-20·531	+43·014	1·40	46.1103	9·6	...	-13·059	+35·174	-1	...	...	...	3·374	+4·872	-5	M m	...
*	20·463	-18·754	0·95	...	...	...	12·892	-36·621	0·85	...	...	...	3·058	-53·990	-3	...	...
...	20·301	-39·275	0·70	...	...	...	12·821	+29·358	-2	...	...	...	2·916	-8·202	-4	...	...
...	20·099	+40·358	-4	...	...	...	12·746	-9·334	-1	...	...	...	2·795	-16·915	0·90	...	...
†	20·006	-8·162	0·70	...	...	...	12·363	-56·937	-1	...	...	...	2·744	-31·473	0·90	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
391-450																		
39 ¹	- 2.627	+58.863	- 4	o	...	...	45 ¹	+ 5.359	+46.534	1.00	46.1132	10.0	51 ¹	* +13.287	+ 6.947	1.60	46.1145	9.4
...	- 2.586	+56.338	- 5	...	...	...	...	5.519	- 0.198	- 4	...	...	...	13.351	- 31.537	0.75	...	...
...	1.693	-18.343	- 5	M	...	...	...	5.549	- 9.795	- 5	M m	...	...	13.511	- 0.436	- 5	...	...
...	1.622	-38.941	- 5	...	...	...	...	5.558	-30.845	0.70	...	...	...	13.716	- 53.808	1.10	47.1053	10.0
...	1.600	+22.154	- 5	m	...	...	...	6.192	+12.335	- 4	m	...	...	13.834	+17.057	- 5	...	...
...	- 1.474	+36.753	0.75	...	...	...	...	+ 6.481	+28.411	0.65	...	...	S *	+14.001	- 18.773	2.10	47.1052	8.8
...	1.381	+37.079	- 5	...	...	...	...	6.505	+33.081	1.00	46.1133	10.0	...	14.307	- 8.381	- 5	...	...
...	1.351	+45.003	- 5	M	...	...	...	6.783	+50.426	- 5	m	...	...	14.508	+ 5.084	1.10	46.1146	9.8
...	1.229	-33.641	- 5	...	...	...	...	7.510	-22.011	0.90	...	...	...	14.671	- 9.788	- 5	...	...
...	1.205	- 6.597	0.85	...	...	...	...	7.514	+ 5.995	0.70	...	...	...	14.943	- 2.990	- 5	...	...
40 ¹	- 0.903	-40.370	0.85	...	...	...	46 ¹	+ 7.633	+16.751	1.00	46.1134	10.0	52 ¹	+15.156	+26.592	- 5	...	...
...	0.573	+42.373	- 5	M m	...	...	...	7.766	+16.439	- 2	...	...	...	15.176	+20.682	0.75	...	...
...	0.405	-40.870	- 5	...	...	...	...	7.789	-52.513	- 4	...	...	...	15.477	- 42.354	0.70	...	...
*	0.264	+22.737	2.00	46.1123	9.0	...	...	8.100	+22.851	0.75	...	...	...	15.599	- 19.068	0.80	...	...
†	0.204	+48.838	0.65	...	...	...	...	8.115	+20.344	0.65	...	...	...	15.687	+41.319	1.60	46.1147	9.5
†	- 0.069	+51.961	- 5	...	...	...	...	+ 8.209	-47.370	1.40	47.1043	9.8	...	+15.859	- 37.266	0.65	...	...
...	- 0.003	+38.880	- 5	...	...	...	...	8.271	-38.147	0.90	...	...	...	16.018	- 32.354	0.70	...	...
+	0.419	+39.481	- 5	...	...	...	...	8.378	- 2.925	0.70	...	...	...	16.146	+27.541	1.30	46.1148	9.7
*	0.551	+16.951	2.00	46.1124	8.8	*	...	8.416	-34.009	1.20	47.1044	9.9	...	16.205	+44.963	- 5	m	...
...	0.593	-55.266	- 1	...	...	...	...	8.506	+44.188	1.20	46.1135	9.9	...	16.655	+50.196	- 1	...	...
41 ¹	+ 0.772	+47.302	- 1	...	...	...	47 ¹	+ 8.672	-23.351	- 4	...	...	...	+16.818	+23.995	0.80	...	...
...	0.943	+57.340	0.90	46.1125	10.0	...	...	8.891	-51.065	- 3	...	...	*	16.860	- 24.057	1.00	...	...
...	0.944	+27.963	- 2	...	...	...	...	9.016	-24.833	- 5	...	...	...	17.070	- 39.632	- 5	...	...
...	1.050	+50.503	- 5	...	...	...	...	9.065	-11.705	- 4	...	...	...	17.198	- 7.623	- 5	...	...
...	1.172	+50.066	- 5	...	...	...	...	9.127	-48.121	- 5	...	...	...	17.299	+12.680	1.10	46.1150	10.0
...	+ 1.459	-11.810	1.00	47.1038	10.0	...	...	+ 9.200	- 8.325	0.70	...	...	...	+17.418	- 31.391	- 5	...	...
...	1.513	+35.068	- 4	...	...	...	...	9.334	-34.358	1.20	47.1046	9.8	*	17.425	+52.069	1.40	46.1149	9.4
...	1.571	-11.159	- 5	M m	...	...	...	9.362	+16.256	1.40	46.1136	9.5	...	17.426	+43.613	- 5	...	...
*	1.586	+ 1.230	1.40	46.1126	9.5	†	...	9.533	+14.818	- 4	...	...	...	17.441	- 45.847	- 1	...	...
...	1.591	-36.920	0.85	...	...	...	...	9.870	-51.067	1.90	47.1047	9.4	...	17.471	+50.380	- 4	...	...
42 ¹	+ 2.085	+ 5.555	- 5	M m	...	*	48 ¹	+10.091	+39.225	0.90	...	...	...	17.618	+11.639	0.90	...	...
...	2.112	+13.991	- 5	m	...	...	...	10.215	-43.739	0.70	...	...	...	17.633	- 19.541	0.70	...	...
...	2.114	- 1.280	- 3	...	...	*	...	10.280	-15.846	1.00	47.1048	9.9	...	17.715	+50.249	0.90	...	...
...	2.117	+19.355	0.75	...	...	*	...	10.299	+49.212	1.80	46.1137	9.5	*	17.849	- 18.645	1.40	47.1054	9.5
S *	2.267	-59.168	3.00	47.1039	8.3	...	...	10.395	+25.008	- 5	m	...	...	17.888	- 14.079	0.65	...	...
+	2.296	-47.827	- 5	M	...	...	...	+ 10.433	-56.896	- 1	...	...	...	+17.922	- 38.075	0.65	...	...
...	2.322	-37.974	- 3	...	...	*	...	10.471	+35.496	1.10	46.1138	9.8	*	18.012	- 22.106	1.40	47.1055	9.6
n*	2.469	-17.266	1.40	47.1040	8.6	†	...	10.474	+49.699	- 5	...	...	...	18.133	+31.035	0.80	...	...
*	2.604	-29.111	1.00	47.1041	10.0	...	...	10.795	+13.457	- 3	...	...	α	18.317	- 0.091	0.90	46.1151	10.0
n*	2.656	-17.285	2.00	47.1040	8.6	...	...	10.935	-21.294	- 5	...	...	...	18.453	- 23.952	- 5	...	...
43 ¹	+ 2.718	+36.776	- 5	m	...	...	49 ¹	+11.066	-49.407	- 5	...	...	...	+18.487	+13.075	0.65	...	...
...	2.856	+41.142	0.85	...	...	...	...	11.098	+41.775	0.80	46.1139	10.0	...	19.001	+21.365	0.70	...	...
*	3.153	+33.053	1.20	46.1127	10.0	...	...	11.241	-4.538	0.70	...	...	...	19.144	- 35.963	0.70	...	...
*	3.250	+35.408	1.05	46.1128	10.0	*	...	11.248	+ 8.707	1.30	46.1140	9.5	*	19.254	- 41.943	1.80	47.1056	9.4
...	3.315	+29.087	- 3	...	...	...	...	11.263	- 6.138	- 5	...	...	...	19.344	+ 2.676	- 5	m	...
...	+ 3.521	-44.603	- 4	...	...	...	...	+ 11.404	-31.145	1.00	...	...	...	+19.403	- 43.564	0.75	...	...
*	3.614	+42.330	1.20	46.1129	10.0	*	...	11.432	- 5.799	1.15	47.1049	9.7	...	19.459	- 51.874	- 5	m	...
...	3.36	+12.876	0.70	...	...	*	...	11.535	-11.497	1.60	47.1050	9.4	...	19.471	- 53.526	0.70	...	...
...	3.736	-12.479	- 4	M	...	...	...	11.547	- 57.003	- 5	...	...	...	19.604	- 19.882	0.65	...	...
...	4.114	+41.550	- 5	m	...	...	...	11.767	- 5.656	- 4	...	...	...	19.659	- 35.712	0.80	...	...
44 ¹	+ 4.195	- 5.044	0.80	...	...	...	50 ¹	+11.875	+ 2.688	1.30	46.1141	9.6	†	+19.831	+15.575	0.90	...	...
*	+ 4.220	-59.716	1.20	47.1042	9.7	S *	...	12.189	+ 6.891	4.00	46.1143	7.6	...	19.972	+15.328	- 5	...	...
...	4.485	-30.367	- 5	...	...	...	...	12.263	-36.088	- 5	...	...	...	20.020	+57.937	- 1	...	...
...	4.500	-24.005	- 4	...	...	...	...	12.295	+35.371	1.70	46.1142	8.8	...	20.033	+44.014	- 4	...	...
†	4.665	+34.766	- 4	...	...	...	...	12.404	-42.503	- 2	...	...	...	20.128	- 45.788	- 1	...	...
*	+ 4.712	+ 0.801	0.90	46.1130	10.0	...	...	+ 12.563	+53.775	- 1	...	...	...	+20.175	- 39.715	0.80	...	...
...	4.773	-56.018	- 4	...	...	S *	...	12.619	+ 56.697	2.40	46.1144	8.6	...	20.332	+58.457	- 4	...	...
*	5.144	+48.147	1.30	46.1131	10.0	...	...	12.654	+ 0.813	0.65	...	...	...	20.423	- 6.214	0.95	...	...
...	5.189	-52.567	1.00	...	...	*	...	12.685	- 36.689	1.05	47.1051	10.0	...	20.496	- 22.385	- 5	...	...
...	5.279	+31.267	- 5	m	...	...	...	12.963	- 59.552	0.85	...	...	...	20.547	+20.735	0.85	...	...

428, 430. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-2.	No.	Mag.	x.	y.		-2.	No.	Mag.	x.	y.	-2.	No.	Mag.	
571-630																		
571	+20·997	+36·337	-4	.	...	...	631	+32·460	-33·012	-4	.	...	691	+42·242	+6·748	-4	.	...
...	21·320	+8·689	-3	...	...	...	...	32·463	+40·696	-5	...	...	S *	42·578	+12·845	2·10	46.1175	9·0
...	21·438	+45·310	-3	...	...	...	...	32·565	-29·284	-5	...	...	...	42·835	-34·522	-5	...	...
...	21·646	-20·449	-5	m	...	*	...	32·686	+39·891	1·00	46.1162	10·0	...	43·082	+13·243	-1	...	...
...	21·864	+45·935	-5	m	...	...	...	32·808	-14·099	-5	...	...	*	43·086	-17·702	1·00	47.1067	10·0
...	+22·131	-9·977	-4	...	...	...	...	+32·937	-32·932	-5	...	...	*	+43·110	+18·820	1·40	46.1176	9·5
...	22·235	+1·403	0·95	...	...	...	...	33·238	-39·642	-3	...	...	...	43·222	+36·494	-3	...	...
...	22·346	-32·623	-5	...	...	†	...	33·248	+54·697	-5	...	...	*	43·262	-19·884	1·00	47.1068	10·0
*	22·378	+6·613	1·20	46.1153	9·8	*	...	33·370	-36·680	0·95	...	...	...	43·444	+0·638	-3	...	...
...	22·409	-21·685	-3	...	...	...	...	33·500	+35·691	-1	...	...	...	43·453	+52·349	-5	m	...
581	*+22·570	+55·030	1·20	46.1152	9·9	...	641	+33·534	-7·039	0·90	...	...	701	+43·967	+55·251	-3	...	...
...	22·763	-21·822	-5	...	...	...	...	33·546	+47·401	-5	...	...	...	44·282	+23·159	-4	e	...
...	22·858	-46·570	-5	...	...	...	...	33·790	-13·470	0·80	...	...	S *	44·285	+42·473	2·00	46.1177	9·0
...	22·923	-40·783	-1	...	...	*	...	34·293	+41·618	1·20	46.1163	9·8	...	44·306	+19·016	0·80	...	...
...	23·336	-20·206	-4	...	...	...	...	34·374	+49·399	-5	...	...	...	44·329	-22·699	-3	...	...
...	+23·565	-37·179	-5	m	...	...	...	+34·554	+16·300	-4	...	...	*	+44·377	+6·092	-3	...	...
...	24·756	-33·406	-4	...	...	*	...	34·659	+54·554	1·40	46.1164	9·4	S *	44·545	-57·079	3·10	47.1070	8·2
†	24·774	+28·772	-5	...	...	†	...	34·786	-51·869	-4	...	...	...	44·551	+33·031	-5	...	...
...	25·087	-52·772	-5	...	...	...	...	35·013	-54·102	-5	...	...	...	44·582	+44·376	-5	m	...
*	25·182	-17·968	1·60	47.1057	9·4	*	...	35·561	+55·076	1·15	46.1165	10·0	...	44·685	+47·031	-5	...	...
591	+25·193	-45·161	-4	m	...	...	651	+35·892	-8·559	-5	m	...	711	+44·713	-57·517	0·80	47.1071	10·0
...	25·451	-32·058	0·90	...	...	*	...	36·192	-37·453	1·05	47.1062	10·0	...	44·714	-12·895	1·20	47.1069	9·8
...	25·708	+11·284	-5	m	...	...	...	36·246	-15·777	-1	...	...	...	45·032	-37·782	-5	...	...
*	25·756	+47·554	1·30	46.1154	9·6	...	...	36·283	+43·265	-5	m	...	...	45·052	+17·869	0·65	...	...
...	26·110	+35·865	0·80	...	...	*	...	36·342	-57·570	2·00	47.1063	9·4	...	45·072	+49·987	-5	...	...
...	+26·179	-19·875	-4	...	...	...	...	+36·596	-17·114	-5	...	...	*	+45·094	-10·408	-3	...	...
*	26·891	-49·711	1·20	47.1058	9·7	...	...	36·694	+7·747	-5	...	...	...	45·053	+43·424	-4	...	...
...	26·941	+7·370	-3	...	...	...	...	36·740	+39·373	0·90	46.1166	10·0	†	45·097	+49·703	-3	...	...
...	26·971	+8·093	-5	m	...	...	...	36·757	-24·677	0·70	...	...	...	45·751	+43·451	0·90	46.1178	10·0
...	27·045	-22·675	0·80	...	...	*	...	37·191	+33·642	1·50	46.1167	9·5	...	46·032	-23·205	-3	...	...
601	+27·311	+27·946	0·80	...	...	...	661	+37·219	-11·082	0·70	...	...	721	+46·100	+13·833	-2	...	...
...	27·324	+5·386	-5	m	...	...	...	37·364	-56·625	-5	...	...	*	46·263	-4·666	1·15	47.1072	10·0
...	27·434	-0·277	-3	α	...	...	...	37·482	-27·509	0·80	...	...	...	46·290	-27·539	-4	...	...
...	27·790	-25·822	0·65	...	...	...	...	37·797	-48·754	0·80	...	...	...	46·317	+3·440	0·70	...	...
...	27·934	-48·602	-5	...	...	...	...	37·902	+1·803	-5	m	...	*	46·482	+50·027	1·50	46.1179	9·8
*	+28·182	+16·210	1·20	46.1155	9·9	...	...	+38·141	-25·612	0·70	...	...	*	+46·554	-57·759	-5	...	...
*	28·231	-51·198	2·00	47.1059	9·0	...	...	38·268	+37·437	-5	m	...	...	46·717	+4·951	0·80	...	...
...	28·268	-5·925	-5	m	...	...	...	38·415	+17·442	-5	...	...	...	46·804	+33·772	-2	...	...
*	28·516	+10·371	0·95	...	...	*	...	38·550	+26·251	1·90	46.1168	9·2	...	46·884	+9·257	0·70	...	...
...	28·668	-58·331	1·00	47.1060	10·0	*	...	38·720	-51·386	1·60	47.1064	9·6	...	47·481	+20·516	-1	...	...
611	+28·941	-29·169	0·65	...	...	...	671	+38·888	+7·927	-4	...	...	731	+47·521	-3·755	-3	...	...
...	29·092	-2·488	0·80	...	...	*	...	38·925	+53·456	1·10	46.1169	9·8	...	47·883	-16·859	-5	...	...
...	29·273	+32·907	-5	m	...	...	...	39·085	-36·456	1·00	...	...	...	47·969	+56·638	-3	...	...
*	29·644	+52·190	1·60	46.1156	9·4	...	...	39·133	+16·539	-5	...	...	...	48·136	+4·694	0·75	...	...
...	29·724	-54·103	-1	...	...	...	...	39·578	+53·658	-1	...	...	...	48·430	-23·525	-4	...	...
...	+30·008	+22·963	-5	...	...	...	...	+40·040	-29·617	1·00	47.1065	10·0	...	+48·588	+16·252	0·75	...	...
*	30·094	+12·116	1·40	46.1157	9·6	...	...	40·116	-49·018	-1	...	...	...	48·713	-20·031	-3	...	...
...	30·148	-58·321	-1	...	...	...	...	40·209	-27·620	-4	...	...	...	48·941	+31·153	0·70	...	...
...	30·394	+18·791	0·90	46.1158	10·0	*	...	40·430	+28·619	1·50	46.1172	9·4	...	48·966	-43·044	0·80	...	...
*	30·472	+26·434	1·50	46.1159	9·4	...	...	40·577	+16·203	-3	...	...	...	49·222	+51·248	-1	46.1180	10·0
621	+30·704	-20·069	-5	m	...	...	681	+40·626	+54·886	0·75	46.1170	10·0	...	+49·296	+11·165	0·85	...	...
...	30·807	+9·149	-5	m	...	...	...	40·678	-49·282	-1	...	...	*	49·389	+23·564	1·20	46.1181	9·7
...	31·143	+12·302	0·90	...	...	*	...	40·681	+50·810	1·20	46.1171	9·7	...	49·529	+8·554	-3	...	...
...	31·513	+19·844	-3	...	...	...	...	40·882	-2·585	-3	...	...	†	49·684	+26·415	-4	e	...
*	31·588	+42·603	2·00	46.1160	9·2	...	...	40·941	-26·939	-4	...	...	...	49·709	-6·552	0·95	...	...
...	+31·782	-15·882	-5	...	...	...	...	+41·296	-33·709	-4	...	...	S *	+49·848	-11·662	1·80	47.1073	9·2
*	31·887	+48·243	1·15	46.1161	9·9	*	...	41·629	+0·269	1·20	46.1173	9·7	...	50·042	+24·131	-5	m	...
...	31·990	+18·291	0·75	...	...	*	...	41·731	+1·252	1·20	46.1174	9·6	...	50·163	+0·090	0·85	...	...
...	32·017	-37·233	-5	...	...	*	...	41·916	-31·935	1·20	47.1066	10·0	†	50·324	+4·859	-4	e	...
*	32·294	-22·340	1·05	47.1061	10·0	...	...	41·956	-25·258	-1	...	...	...	50·549	+0·210	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
751-770																		
751	+50·601	+7·406	-5	°	e	...	771	+54·547	-22·414	2·00	47.1075	9·4	791	+58·459	+32·478	0·80	°	...
...	50·711	-2·094	-5	...	...	...	...	54·701	-50·578	-4	...	...	...	58·685	-27·521	-5	...	...
*	51·287	+55·188	1·30	46.11182	9·6	...	...	54·907	+32·495	-5	...	...	...	59·089	-49·109	-5	...	...
...	51·409	+47·173	0·90	46.11183	10·0	...	...	55·163	-2·439	-5	...	...	...	59·132	+39·586	-4	...	...
*	51·433	+18·554	1·00	46.11185	10·0	...	...	55·314	-45·342	-1	...	...	...	59·444	+40·743	0·85	...	...
...	+51·510	+5·153	0·70	...	...	...	...	+55·319	-24·363	0·80	...	...	...	+59·445	+8·202	-5	...	...
...	51·536	+53·892	0·90	46.11184	10·0	N *	[	55·633	+13·871	1·60	46.11188	9·4	...	59·465	+3·962	1·00	...	...
...	51·689	+26·598	-5	...	...	...	...	55·903	-14·397	0·65	...	...	...	...	...	...	...	...
†	51·842	+19·888	-4	...	...	...	...	56·114	+23·223	0·90	...	...	...	...	...	...	...	...
...	51·915	+4·591	-5	m	...	...	...	56·319	+56·470	-1	46.11187	10·0	...	...	...	...	...	...
761	...	...	...	...	...	781	...	...	...	...	...	...	...	...	...	...	...	...
...	+52·057	-49·022	0·90	47.1074	10·0	...	...	+56·546	-12·664	-5	...	...	...	...	...	...	...	...
...	52·204	-3·027	-5	...	...	...	...	56·730	-0·348	0·80	e	...	...	...	...	...	...	...
...	52·273	+38·596	-5	...	...	...	...	57·044	+14·899	-3	...	...	...	...	...	...	...	...
...	52·315	-26·013	-1	...	...	...	...	57·091	-47·602	-5	...	...	...	...	...	...	...	...
...	52·976	-40·288	-5	...	...	...	...	57·098	-0·834	-4	...	...	...	...	...	...	...	...
...	+53·002	+47·900	-5	...	...	*	...	+57·190	+32·263	1·10	46.11189	9·9	...	...	...	...	...	...
...	53·328	+12·256	-1	...	...	...	...	57·635	-3·893	-5	...	...	...	...	...	...	...	...
...	53·459	+24·880	-2	...	...	...	...	57·978	+42·524	-5	...	...	...	...	...	...	...	...
...	53·510	-8·421	0·65	...	...	...	...	58·010	+16·443	-3	e	...	...	...	...	...	...	...
*	54·330	+52·431	1·90	46.11186	9·4	*	...	58·038	+41·888	1·20	46.11190	9·9	...	...	...	...	...	...

777. Mass. 46°·43, two stars; 47°·43, mass.

1-30					31-60					61-90									
I	-60·160	+12·559	1·60	46.11175	9·0	...	31	-55·911	-4·830	0·90	47.1072	10·0	...	61	-51·472	+26·602	-4	°	...
†	60·122	+54·990	-4	...	...	...	...	55·775	-57·692	-2	47.1071	10·0	...	51·468	+18·552	0·80	46.11185	10·0
...	60·078	-49·589	-2	...	...	...	...	55·756	+4·809	-2	...	...	...	51·268	+38·604	-4	...	...
...	59·945	-34·020	-4	...	...	...	...	55·728	+9·121	-2	...	...	...	51·124	+19·885	-4	...	...
*	59·813	+18·545	1·00	46.11176	9·5	...	...	55·549	-23·362	-4	...	...	...	50·960	+5·156	-4	...	...
...	-59·672	+12·971	-3	...	...	...	...	-55·500	+20·384	-2	...	...	...	-50·843	+47·927	-5	...	...
...	59·550	-25·537	-3	...	...	...	...	54·728	+51·152	-2	46.11180	10·0	*	49·670	+52·492	1·40	46.11186	9·4
S *	59·394	+42·222	1·50	46.11177	9·0	...	...	54·685	-3·883	-4	...	...	...	49·665	+24·951	-4	...	...
...	59·392	-32·210	0·90	47.1066	10·0	...	...	54·380	+31·064	-3	...	...	...	49·396	+12·316	-2	...	...
...	59·145	+46·809	-5	...	...	...	...	54·345	+4·581	-1	...	...	...	49·198	-25·961	-2	...	...
II	...	-58·894	+0·398	-3	...	...	41	-54·247	+16·152	0·65	...	...	...	-48·863	+41·378	-5	...	...
...	58·794	+22·934	-4	E	...	...	...	53·947	-57·868	-5	...	...	...	48·726	-48·970	0·95	47.1074	10·0
...	58·680	-17·958	0·80	47.1067	10·0	...	...	53·908	-16·955	-4	...	...	...	48·557	-8·352	-4	...	...
...	58·630	+18·775	-2	...	...	*	...	53·680	+23·493	0·95	46.11181	9·7	...	48·474	+32·603	-5	...	...
†	58·432	-20·121	0·80	47.1068	10·0	...	...	53·484	+26·353	-5	E	...	...	48·218	+9·653	-5	...	...
...	-58·203	+49·501	-4	...	...	...	...	-53·388	+11·096	0·65	...	...	...	-48·077	-40·211	-4	...	...
...	58·144	+5·877	-3	...	...	...	...	53·145	-23·613	-4	...	...	...	47·811	+56·588	-2	46.11187	10·0
...	58·081	+43·225	-5	...	...	...	...	53·078	+8·499	-3	...	...	N *	47·131	+14·007	1·10	46.11188	9·4
...	57·974	+43·247	0·85	46.11178	10·0	...	...	52·984	-20·107	-5	...	...	...	47·101	-2·322	-5	...	...
...	57·846	+17·661	-3	...	...	*	...	52·793	+55·148	1·00	46.11182	9·6	*	47·073	-22·308	1·40	47.1075	9·4
21	...	-57·427	+49·857	0·95	46.11179	9·8	51	-52·498	+53·882	-1	46.11184	10·0	...	-46·950	+23·353	0·90	...	...
...	57·278	-22·908	-3	...	...	...	...	52·417	+47·155	-1	46.11183	10·0	...	46·246	-24·219	0·75	...	...
...	57·191	-13·089	0·90	47.1069	9·8	...	...	52·405	-6·591	0·65	...	...	*	46·162	+32·427	1·00	46.11189	9·9
...	56·908	-10·594	-4	...	...	...	...	52·162	+0·044	-1	...	...	...	46·022	-50·444	-3	...	...
...	56·665	+13·669	-4	...	...	...	...	52·155	+4·827	-5	E	...	...	45·971	-14·237	-4	...	...
...	-56·588	+33·607	-3	...	...	...	...	-52·093	+55·431	-5	...	...	...	-45·753	+15·084	-4	...	...
...	56·148	+56·506	-2	...	...	S *	...	52·085	-11·704	1·20	47.1073	9·2	...	45·701	+42·729	-5	...	...
...	56·121	+3·277	-3	...	...	...	...	52·002	-43·088	-1	...	...	*	45·620	+42·087	1·00	46.11190	9·9
...	56·088	-37·979	-5	...	...	...	...	51·954	+7·390	-5	E	...	†	45·590	-0·178	0·75	E	...
S *	55·958	-57·261	2·30	47.1070	8·2	...	...	51·773	+0·186	-4	...	...	...	45·565	-45·188	-2	...	...

MC measured from 1, 114, 256, 368, 464, 595.
L .., .., 67, 192, 306, 414, 519, 662.

78. Mass. 46°·43, two stars; 47°·42, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
91-150																			
91	-45·402	-12·489	-5	o	...	151	-35·064	+39·516	0·70	o	...	211	-27·486	-14·574	0·90	47·1089	10·0		
...	45·399	+10·379	-5	...	...	...	34·961	-12·908	-3	...	...	*	27·389	-1·622	1·10	46·1205	9·6	
...	44·900	+32·694	0·90	...	...	...	34·914	-14·828	-3	...	...	27·085	+44·019	-2	...	...	...
...	44·854	+16·661	-4	E	...	...	34·879	-43·385	0·75	...	...	27·028	-30·353	0·95	...	...	...
...	44·442	+39·799	-2	...	...	...	34·870	-56·301	-4	...	...	*	27·016	+32·250	1·00	46·1206	9·8	
...	-44·195	+40·980	0·90	...	...	...	34·830	+4·450	-4	...	...	26·596	+51·583	-1	...	...	...
...	43·725	-47·386	-3	...	...	...	34·519	+8·869	-4	...	...	26·564	-17·081	-2	...	...	...
...	43·150	+8·463	-5	...	...	...	34·467	-42·357	-3	...	...	*	26·512	-15·112	1·15	47·1090	9·4	
...	42·999	+4·227	0·90	...	...	...	34·371	-25·359	-4	...	...	26·497	+3·649	-5	...	...	...
...	42·801	-38·238	-5	...	...	...	34·370	+10·649	-1	...	...	26·146	-46·052	-2	...	...	...
101	-42·789	-27·262	0·70	...	...	161	-33·806	-21·557	0·75	...	...	221	-26·133	-30·666	-3	...	...
...	42·520	+29·947	-5	...	...	...	33·802	+24·993	-5	M	...	...	26·133	+34·155	-4	...	...	...
...	41·830	+39·408	-5	...	...	...	33·584	+20·531	-4	...	...	...	25·825	-38·262	-3	...	...	...
...	41·699	-48·823	-4	...	...	...	33·570	-38·399	-4	...	...	...	25·688	-30·471	-5	...	...	...
...	41·642	+10·333	0·70	...	...	...	33·552	+5·602	-1	...	...	...	25·657	-1·779	1·00	46·1207	9·8	
*	-41·610	+41·308	1·00	46·1191	9·9	...	33·369	+55·038	-5	M	...	S *	25·627	-33·285	0·70	...	...	...
...	41·586	+45·730	-3	...	...	...	33·153	-46·602	-2	...	...	25·573	-32·115	1·70	47·1091	8·5	...	
*	41·428	+43·673	1·35	46·1192	9·2	...	33·141	-53·491	0·85	47·1081	10·0	...	25·465	-44·724	-5	...	...	...
...	41·255	+48·803	-3	...	...	...	33·103	-22·548	0·75	47·1082	10·0	...	25·115	-27·709	-4	...	...	...
...	41·231	-27·261	0·70	...	...	...	33·077	-39·049	-4	...	...	...	24·839	-43·000	-4	...	...	...
111	-41·152	+51·230	-4	A	...	171	-32·928	+3·249	-2	...	...	231	-24·741	-5·596	-4	...	...	...
*	40·998	-37·182	1·90	47·1076	8·8	...	32·771	-58·117	-5	...	...	...	24·531	+6·719	0·80	...	...	...
...	40·386	+43·810	-5	M	...	*	32·623	-19·691	0·95	47·1083	9·8	*	24·458	+2·571	1·10	46·1208	9·6	...	
*	40·124	+15·671	1·20	46·1193	9·2	...	32·391	+56·036	-3	...	...	...	24·374	-56·368	-4	...	...	...
...	40·108	-32·620	-4	...	...	...	31·922	-43·918	-5	...	...	...	24·290	-29·088	-5	...	...	...
...	-40·010	-45·793	-3	...	...	...	31·577	+37·976	0·75	46·1201	9·9	*	24·259	+39·576	1·00	46·1209	9·6	...
*	39·814	-40·637	2·00	47·1077	8·8	...	31·576	+35·228	0·70	46·1200	10·0	*	24·021	+25·556	1·10	46·1210	9·2	...	
...	39·727	+7·980	-4	...	...	...	31·500	+0·509	-4	...	...	...	23·824	+48·050	0·95	46·1211	10·0	...
...	39·657	-24·758	-4	...	...	...	31·468	-9·487	-3	...	...	*	23·450	+24·014	1·10	46·1212	9·2	...
...	39·650	+2·645	-4	A	...	...	31·267	+26·507	-1	...	...	*	23·381	-4·240	1·10	47·1092	9·6	...
121	-39·538	+42·272	-4	...	*	181	-31·110	-24·834	1·00	47·1084	9·8	...	241	-23·338	-3·029	1·00	47·1093	10·0	...
...	38·861	-1·257	-4	...	...	...	30·842	-19·150	-1	47·1085	10·0	...	22·953	+34·519	0·85	46·1213	10·0	...
...	38·791	-5·057	-2	...	...	...	30·836	+4·533	-3	...	...	*	22·870	-33·067	2·00	47·1094	8·6	...
...	38·776	-43·270	-5	...	...	...	30·836	-52·809	-5	...	...	...	22·765	-56·549	-3	...	...	...
...	38·697	+48·446	-3	...	...	...	30·801	-58·441	-5	...	...	...	22·304	+35·376	-2	...	...	...
...	-38·364	+8·434	-5	...	...	...	30·702	-16·555	-4	...	...	*	22·018	-60·026	-5	...	...	...
...	38·344	+15·383	-4	...	...	...	30·670	-54·846	-1	...	...	...	21·957	-26·905	-5	...	...	...
...	38·162	-24·114	-5	...	...	...	30·424	-53·919	0·80	...	...	...	21·923	+1·841	-5	...	...	...
...	37·980	+3·414	-5	...	...	...	30·381	+31·917	-4	...	...	...	21·685	-18·883	-4	...	...	...
...	37·712	+15·906	-4	...	...	...	30·331	-39·392	-4	...	...	*	21·632	-54·568	1·10	47·1095	9·4	...
131	-37·643	+52·469	-4	...	...	191	-30·304	-50·768	-3	...	...	251	-21·466	-51·587	-5	...	...	...
...	37·512	-4·163	0·75	47·1078	10·0	*	30·190	-56·569	0·90	...	...	21·447	-3·157	-3	...	...	...
*	37·370	+4·886	0·90	46·1194	10·0	*	30·162	-29·395	0·70	...	...	21·339	-1·213	-2	...	...	...
...	37·364	-17·658	-3	...	...	...	30·021	-47·672	-5	...	...	20·916	-56·070	1·00	47·1096	10·0	...	
*	37·190	+22·577	1·20	46·1195	9·4	*	29·894	+22·519	1·20	46·1202	9·2	*	20·478	+24·908	0·95	46·1214	9·9	...	
...	-37·107	+29·255	0·75	46·1196	10·0	...	29·655	-6·714	0·80	47·1086	10·0	...	20·224	+13·058	-3	...	...	...
*	37·001	+43·616	1·00	46·1197	9·5	...	29·631	-53·954	1·00	...	...	...	20·140	-58·070	-5	...	...	...
*	36·838	-35·630	0·90	47·1079	10·0	...	29·545	-49·697	-2	...	...	...	20·080	-49·790	-2	...	...	...
*	36·694	+33·193	0·90	46·1198	9·0	...	29·205	+44·904	0·90	46·1203	10·0	...	19·950	-11·576	-3	47·1097	10·0	...	
...	36·649	-58·011	-4	...	...	...	29·093	+28·096	-5	...	...	...	18·974	-54·950	-5	...	...	...
141	-36·545	-4·994	0·65	47·1080	10·0	...	-28·610	-18·158	-3	...	...	261	-18·969	+4·273	-1	46·1215	10·0	...
...	36·439	+14·139	-4	...	...	...	28·602	-51·005	0·70	...	...	...	18·932	-57·794	0·75	...	...	...
*	36·350	+31·995	1·20	46·1199	9·4	*	28·182	-53·812	1·00	47·1087	10·0	*	18·407	+12·696	1·30	46·1216	9·4	...	
...	36·307	-12·275	-5	A	...	...	28·168	-9·512	-5	...	...	...	18·363	-8·665	-4	...	...	...
...	36·217	-15·074	-2	...	...	...	28·001	-29·765	-3	...	...	...	17·929	+53·213	0·90	46·1217	9·9	...
...	-35·590	+36·605	-1	...	...	...	-27·908	+3·138	-3	...	...	...	-17·912	-13·093	-1	47·1099	10·0	...
...	35·363	+55·505	-4	...	...	...	27·887	-53·312	0·95	47·1088	10·0	...	17·833	+33·684	-5	...	...	...
...	35·211	+24·451	-3	...	...	*	27·856	+41·769	0·90	46·1204	10·0	...	17·746	+33·653	-1	...	...	...
...	35·125	-44·332	-5	...	...	...	27·678	+22·983	-5	...	...	...	17·702	-18·526	-5	...	...	...
...	35·104	+54·221	-3	...	...	...	27·487	+18·662	-4	...	...	...	17·589	+24·111	-5	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
271-330																	
271	-17.524	+41.095	-1	o	...	331	-6.283	-41.545	-5	o	...	391	+5.221	+35.316	0.80	46.1240	10.0
...	17.271	-48.587	-5	...	...	S *	6.232	+32.460	2.05	46.1230	8.6	...	5.290	+30.489	-4	M	...
...	17.184	+40.096	-2	...	...	*	5.833	-26.100	1.00	47.11110	9.8	S *	5.553	-40.823	2.65	47.1123	8.1
...	16.646	-38.773	-4	...	...	...	5.565	-36.654	-2	47.11111	10.0	...	5.702	-56.498	-3	...	...
...	16.483	-43.754	0.80	47.11100	10.0	...	5.558	+15.235	-3	...	...	...	5.980	-52.639	-3	...	...
...	-15.989	-25.717	0.85	47.11101	10.0	†	-5.412	+50.930	-2	...	...	*	+6.197	-21.640	2.80	47.1124	8.5
...	15.862	-27.720	-3	...	...	...	5.048	-52.327	0.65	...	...	...	6.336	-30.538	-4	...	...
*	15.740	+6.307	0.95	46.1218	9.6	*	5.042	+27.123	1.05	46.1231	9.4	...	6.457	-45.528	-4	...	...
...	15.488	+55.742	-1	...	...	*	4.994	+7.740	1.00	46.1232	9.5	...	6.507	-56.109	-3	...	...
+	15.344	-2.216	1.50	47.11102	9.2	...	4.853	-3.083	-1	47.11112	10.0	...	7.177	+30.604	-4	...	...
281	331-390																
...	-15.191	-49.179	-1	...	...	341	-4.121	-39.728	-5	...	...	401	+7.210	-51.483	-3	...	...
*	15.159	+18.556	1.50	46.1219	9.2	...	3.909	-21.082	1.00	47.11113	10.0	...	7.215	+46.621	-2	...	...
...	15.156	-32.688	0.70	47.1103	10.0	...	3.721	+57.166	-5	...	...	...	7.238	-29.216	0.80	47.1125	10.0
...	15.044	-15.437	-5	...	...	...	3.644	+44.115	-5	...	...	...	7.583	-40.308	-4	...	...
...	14.292	+10.788	1.00	46.1220	9.9	*	3.536	-13.524	1.25	47.11114	9.4	...	7.799	+48.441	-2	...	...
...	-14.145	-17.037	0.85	47.1105	10.0	...	3.404	+17.867	-2	...	...	...	+8.201	+53.788	-3	...	...
*	14.067	-58.677	1.70	47.1104	8.8	...	3.303	-4.619	-3	47.11115	10.0	...	8.334	+42.034	-1	46.1241	10.1
...	13.417	-32.588	0.75	47.1106	10.0	...	3.099	+17.471	0.90	46.1233	10.0	...	8.465	+24.861	0.65	46.1242	10.0
...	13.368	+18.791	-5	M	...	...	2.909	-52.313	0.65	...	...	...	8.776	-43.932	-3	...	...
...	13.163	-14.137	-4	47.1107	10.0	*	2.785	-16.948	1.00	47.11116	9.6	...	8.885	-51.184	-3	...	...
291	391-450																
...	-12.926	-34.446	-3	...	...	351	-2.668	-33.379	1.00	47.11117	9.9	...	+9.077	-23.685	-4	...	...
...	12.842	-33.495	-3	...	...	...	2.573	+17.845	-3	...	...	*	9.304	-43.518	1.00	47.1126	9.4
*	12.564	+19.675	1.70	46.1221	9.0	...	2.469	-59.847	-5	...	...	...	9.413	+26.867	0.80	46.1243	10.0
...	12.531	+21.873	-2	46.1222	10.0	*	2.274	-53.311	1.00	47.11118	9.6	...	10.429	-22.938	-3	...	...
...	12.085	+51.449	0.70	...	...	...	2.271	-32.935	-5	...	...	...	10.475	+49.520	-5	...	...
...	-11.823	-11.522	-5	...	...	...	2.076	+50.402	-5	M	...	...	+10.704	-58.410	0.90	47.1127	10.0
...	11.782	+16.047	-1	46.1223	10.0	...	1.991	+31.313	0.85	46.1234	10.0	*	10.758	+35.947	1.20	46.1244	9.2
*	11.701	-45.959	0.90	47.1108	10.0	...	1.940	+21.023	-5	...	...	...	10.987	+57.772	0.85	45.1236	10.0
...	11.551	+16.381	-1	46.1224	10.0	...	1.786	-30.649	-5	...	...	...	11.164	+29.180	0.95	46.1245	10.0
...	11.490	+32.151	-5	...	...	...	1.512	-54.050	-5	...	...	+	11.420	+4.804	1.00	46.1246	9.9
301	361																
...	-11.449	+30.291	-3	...	...	361	-1.438	-44.318	-5	M	...	...	+11.494	+15.101	-5	...	...
*	11.143	+2.572	1.00	46.1225	9.7	...	1.398	+17.613	1.00	46.1235	9.9	...	12.137	+11.516	-4	...	...
...	10.789	+23.446	-3	...	...	...	* 1.341	-59.482	-2	...	...	...	12.231	-8.098	-4	...	...
...	10.504	-33.545	-3	...	...	...	1.043	-48.322	1.15	47.1120	9.2	*	12.336	-16.015	1.20	47.1128	9.4
...	10.457	+35.066	0.65	46.1226	10.0	...	0.836	+38.320	-5	...	...	...	12.458	+36.334	-5	...	...
S *	10.154	+57.654	-4	...	...	...	0.685	+25.622	0.95	46.1236	9.9	...	+12.643	-11.234	-5	...	...
10.117	+58.851	1.45	45.1214	9.0	...	...	0.555	+34.520	-5	M	...	...	12.706	+21.250	-5	...	...
...	9.924	-14.257	-3	...	...	...	+ 0.252	+20.328	-4	...	...	...	12.894	+48.125	-5	...	...
...	9.813	-44.277	-5	...	...	...	0.387	+24.351	-4	...	...	...	13.295	+4.253	-2	...	...
...	9.555	-47.119	-2	...	...	...	0.741	-33.772	-2	...	...	...	13.761	-16.222	-4	47.1129	10.0
311	431																
...	-9.514	+37.903	-4	...	...	371	+ 1.041	-59.398	-5	m	...	...	+13.892	-41.672	-5	...	...
...	9.393	-10.594	-3	...	...	...	1.059	-4.119	1.60	47.1121	9.4	...	14.027	+28.035	-5	...	...
*	9.011	+45.093	1.00	46.1227	9.9	...	1.124	-50.740	0.70	...	...	*	14.149	-21.331	1.20	47.1130	9.4
...	8.514	-32.302	-1	...	...	...	1.322	-40.770	-4	...	...	...	14.183	+20.297	0.90	46.1247	10.0
...	8.366	-21.354	-3	...	...	...	1.597	-18.194	-3	...	...	...	14.262	+58.226	-5	...	...
...	8.275	-8.310	-4	...	...	...	+ 1.606	+59.108	-1	45.1230	10.0	...	+14.900	+9.946	-5	...	...
...	7.860	+20.736	-5	m	...	...	1.885	-36.208	-4	...	...	...	14.990	-30.808	-2	...	...
...	7.798	-49.503	-3	...	...	...	2.327	+40.602	-2	...	...	...	15.083	-24.578	-3	...	...
...	7.694	+47.310	-4	...	...	...	2.391	+29.994	0.80	46.1237	9.8	...	15.119	+52.702	-3	...	...
...	7.681	+33.170	-4	...	...	...	2.407	+ 1.327	-1	46.1238	9.9	...	15.372	+22.311	0.85	46.1248	10.0
321	441																
...	-7.571	+23.779	-5	...	...	381	+ 2.800	+57.655	-4	...	...	...	+ 15.768	+ 8.777	-2	...	...
*	7.459	-42.996	1.10	47.1109	9.4	...	2.941	-19.872	-3	...	...	...	15.792	+57.648	0.80	46.1249	10.0
...	7.431	-39.162	-5	...	...	...	3.207	-7.031	-4	...	...	...	15.884	+37.902	-3	...	...
†	7.414	+19.818	-5	...	...	...	3.315	+49.908	0.65	...	...	...	16.063	+20.087	0.70	46.1250	10.0
...	7.141	+42.837	-2	...	...	...	4.313	-21.593	1.00	47.1122	9.7	*	16.307	+18.482	1.15	46.1251	9.4
...	-7.082	-45.215	-3	...	...	...	+ 4.450	+40.646	-2	...	...	...	+16.463	-31.303	-5	...	...
...	7.064	+46.398	-5	...	...	...	4.471	-58.597	-3	...	...	...	16.540	+52.884	-3	...	...
...	6.816	+43.181	-2	...	...	...	4.795	+ 1.279	1.40	46.1239	9.2	...	16.541	+21.578	0.70	...	...
*	6.602	+43.816	1.05	46.1228	9.4	...	4.935	+ 9.661	-1	...	...	...	16.574	+28.805	-5	...	...
...	6.560	+24.165	-2	46.1229	10.0	...	4.959	-4.513	-4	...	...	S *	16.713	+17.489	1.37	46.1252	9.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
451-510																		
451	+16°798	+24°942	-5	o	...	...	+27°746	-24°479	-4	o	...	...	571	+36°416	+37°419	-5	o	...
...	16°859	+38°487	-5	...	...	...	27°819	-31°570	-4	...	...	...	...	36°549	+47°609	0°90	46.1272	10°0
...	16°892	+25°913	-3	...	...	...	27°823	-31°258	-5	...	...	...	...	36°583	+56°221	0°95	46.1271	9°9
...	17°016	+38°229	-2	...	...	...	28°421	+24°382	0°75	46.1264	10°0	*	...	36°592	+50°127	1°00	46.1273	9°8
...	17°073	-46°657	-2	...	...	...	28°577	+4°768	-3	...	...	...	...	36°775	+47°050	-2	...	...
...	+17°628	-23°397	-4	...	...	...	+28°808	-48°905	-4	...	...	...	...	+36°820	+31°402	-5	...	...
...	17°854	-40°560	0°85	...	...	...	29°518	-41°284	-3	...	...	*	...	36°848	+57°953	1°10	45.1268	9°6
...	18°446	+17°149	-5	a	...	...	29°570	-23°853	-2	47.1139	10°0	*	...	36°911	-52°307	1°25	47.1149	9°2
...	18°614	+18°469	-5	...	...	...	29°604	+39°463	1°00	46.1265	9°7	...	...	37°148	+10°622	-5	...	...
*	18°913	-49°725	1°10	47.1131	9°2	...	29°645	-34°564	-2	...	...	...	...	37°489	-26°202	-5	m	...
461	*+18°979	-52°206	1°00	47.1132	9°8	521	+29°655	-23°869	-5	...	...	...	581	+37°544	+14°062	-3	...	...
S *	19°199	+47°960	2°15	46.1253	8°2	...	29°712	-40°638	-4	...	...	...	...	37°931	+39°936	0°90	46.1274	10°0
...	19°241	+7°426	-4	...	...	...	29°932	+24°249	0°90	46.1266	10°0	...	...	38°187	-21°341	-5	...	...
...	19°728	-45°465	-3	...	...	*	30°004	-55°980	1°00	47.1140	9°6	...	...	38°246	-48°223	0°95	47.1150	10°0
...	20°280	-55°085	-5	...	...	...	30°100	-37°234	0°70	...	...	...	...	38°509	-28°117	0°70	...	...
...	+20°356	+6°868	-4	...	...	...	+30°141	-55°631	0°70	47.1141	10°0	...	...	+38°868	+1°939	-4	...	...
...	20°435	+21°794	-2	...	...	...	30°392	+55°288	-5	...	...	...	...	38°917	-33°630	-5	...	...
*	20°670	-38°383	1°20	47.1133	9°4	...	30°502	+48°643	-3	...	...	...	...	38°920	-18°088	0°70	...	...
...	20°744	+2°186	0°90	46.1254	9°9	...	30°520	-38°313	-4	...	...	...	...	38°989	+37°981	-4	...	...
...	21°156	+24°167	-4	...	...	*	30°556	-46°534	0°95	47.1142	10°0	...	...	39°101	+30°104	-5	m	...
471	+21°361	-40°847	-2	...	...	531	+30°873	+18°212	0°90	46.1267	10°0	*	591	+39°128	+28°030	2°00	46.1275	8°8
...	21°563	+37°246	-3	...	...	...	30°928	-26°769	-5	b	...	...	...	39°252	-45°899	-3	...	...
...	21°647	-45°383	-5	...	...	...	31°076	-11°535	-5	...	...	...	...	39°323	-56°367	-3	...	...
...	21°931	-28°395	-3	...	...	...	31°178	-57°383	0°85	...	...	...	...	39°437	+2°561	-5	m	...
...	21°971	+51°508	0°90	46.1255	9°9	*	31°258	+44°101	1°00	46.1268	9°6	...	...	39°633	-27°518	-3	...	...
...	+22°205	-55°230	-4	...	...	...	+31°311	+37°131	-5	...	...	*	...	+39°821	-17°900	0°90	47.1151	9°6
...	22°455	-5°195	-4	...	...	...	31°474	-41°393	0°90	47.1144	10°0	...	...	40°108	+50°538	0°80	46.1276	10°0
...	22°723	+47°459	0°80	46.1256	10°0	*	31°481	-28°791	1°20	47.1143	9°2	...	...	40°116	+42°441	-4	...	...
...	23°243	-46°109	-3	...	...	...	31°625	-23°662	-5	...	...	...	...	40°268	+19°404	-4	...	...
...	23°268	+42°164	-4	...	...	...	31°710	-47°320	0°90	47.1145	10°0	...	...	40°331	+36°434	-5	...	...
481	+23°301	+4°972	-4	...	...	541	+31°995	+17°809	-5	...	...	...	601	+40°579	-7°883	-4	...	...
...	23°546	-2°495	-4	...	...	...	32°188	-21°706	-5	...	...	*	...	40°673	-20°537	1°30	47.1152	9°1
*	23°603	+34°630	1°10	46.1257	9°4	...	32°273	+3°418	0°90	46.1269	10°0	...	...	40°707	+0°081	-3	...	...
...	23°634	+7°127	-1	46.1258	10°0	...	32°317	-58°162	-4	...	...	...	...	40°838	+10°225	0°90	46.1277	9°9
...	23°717	+3°226	-5	...	...	...	32°433	-3°377	-4	...	...	...	...	40°899	-1°562	-4	a	...
...	+23°722	-51°125	-3	...	...	...	+32°678	-6°703	-5	...	...	...	...	+41°136	+24°276	-1	...	...
...	23°735	-0°820	-5	...	...	...	32°783	-58°823	-5	d	...	...	...	41°232	+30°091	-5	...	...
...	23°852	+31°367	-3	...	...	...	32°791	-53°578	-4	...	...	...	...	41°285	-31°441	-3	...	...
...	23°865	-56°353	-5	...	...	...	32°820	-15°221	-4	...	...	*	...	41°402	-50°475	1°00	47.1154	9°9
...	23°990	-58°719	-4	...	...	...	32°831	+30°523	-5	m	...	*	...	41°405	-21°051	1°00	47.1153	9°6
491	+24°078	-50°535	-3	...	...	551	+32°834	-26°887	-2	...	...	...	611	+41°480	-54°635	-3	...	...
...	24°127	+24°644	-4	...	...	*	32°865	-39°963	-3	...	...	...	...	41°789	+23°400	-5	...	...
*	24°167	+50°304	1°00	46.1259	9°4	...	33°430	+16°145	0°95	46.1270	9°8	*	...	41°808	+31°969	1°00	46.1278	9°6
...	24°261	-51°202	-3	...	...	...	33°663	-30°563	0°85	...	...	...	...	42°065	+41°229	0°80	46.1279	10°0
*	24°314	-11°601	0°90	47.1134	9°9	...	33°754	-42°931	-4	...	...	...	...	42°142	-45°438	-5	b	...
...	+24°441	-3°917	-5	...	...	...	+34°145	-4°506	-4	...	...	...	...	+42°475	-0°569	-5	...	...
*	24°477	-55°826	-5	...	...	...	34°257	+9°266	-4	...	...	...	...	42°547	-0°931	-2	...	...
S †	24°636	-13°971	2°80	47.1135	8°3	...	34°313	+36°007	0°85	...	...	...	...	42°699	+23°491	-5	...	...
...	24°677	+46°581	-4	...	...	...	34°712	-38°637	-4	b	...	...	...	42°726	-14°677	-5	...	...
...	24°993	+11°356	0°80	46.1260	9°7	...	34°799	+21°369	-5	...	...	...	...	42°752	+4°337	-3	...	...
501	+25°593	+0°340	-1	46.1261	9°9	*	+34°966	-52°176	2°00	47.1147	8°4	*	...	+43°039	+1°189	0°95	46.1280	9°7
...	25°625	-8°357	-2	...	...	...	35°391	-17°633	0°95	47.1146	10°0	...	...	43°072	-10°343	-4	...	...
...	25°777	+21°720	-4	...	...	...	35°575	-53°619	-3	...	...	*	...	43°165	-26°608	0°95	47.1156	9°9
*	25°978	-11°334	0°95	47.1136	9°7	...	35°646	-45°313	-2	...	...	...	...	43°315	+40°469	-2	...	...
...	26°396	-15°533	-3	...	...	...	35°653	+33°228	-5	...	...	...	...	43°454	+23°983	-5	...	...
*	+26°886	-56°574	1°00	47.1137	9°9	...	+35°712	+2°829	-5	...	...	...	...	+43°516	+37°003	-5	...	...
...	27°308	-49°734	-3	...	...	...	35°924	-16°867	-5	...	...	...	...	43°574	+13°877	-5	...	...
...	27°322	+49°786	0°75	46.1262	10°0	...	36°102	-8°096	-3	...	...	*	...	43°602	-33°238	1°30	47.1158	9°2
...	27°572	-54°801	-5	...	*	...	36°366	-27°194	1°00	47.1148	10°0	...	...	43°635	+18°317	-1	46.1281	10°0
...	27°687	+5°142	0°80	46.1263	10°0	...	36°399	+58°960	0°70	...	...	...	...	43°677	-56°948	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.	
631-670																		
631	+43.737	-38.667	1.10	47.1159	9.4	...	+51.181	+24.739	-4	0	...	...	711	+56.515	-50.079	0.95	47.1178	10.4
...	43.737	-49.048	-4	...	...	...	51.448	-59.241	-1	47.1170	10.0	...	...	56.519	+9.197	-4	...	...
*	43.881	-14.412	1.70	47.1157	8.8	...	51.477	+44.870	-4	...	...	...	...	56.907	+36.125	-3	...	...
...	43.921	-46.884	-3	...	...	...	51.529	+10.016	-2	...	...	...	...	56.987	-39.412	0.85	47.1179	10.4
S+	43.928	-35.092	1.50	47.1160	8.8	*	51.620	-29.259	1.00	47.1169	10.0	...	...	57.082	+22.396	0.75	...	...
...	+44.571	+59.065	-2	45.1274	10.0	...	+51.992	+10.599	-5	...	...	...	...	+57.136	-27.985	-3	...	...
...	44.659	+1.660	-5	...	...	...	52.160	-48.893	-5	...	...	...	...	57.145	-9.005	1.10	47.1177	9.8
...	44.666	-55.070	-4	...	...	*	52.161	+26.087	1.00	46.1289	9.9	...	...	57.216	+45.546	-5	...	...
...	45.002	+23.537	-2	...	...	...	52.331	-14.795	-4	...	...	...	...	57.259	+41.888	-4	...	...
...	45.430	-53.542	-2	...	...	...	52.691	-49.128	0.85	47.1171	10.0	...	...	57.290	+47.004	-4	46.1295	10.4
641	* +45.595	-31.036	1.00	47.1161	9.4	...	+52.775	+30.186	-4	...	...	...	721	+57.302	+34.438	-5	...	...
...	.45.668	-59.689	0.85	47.1162	10.0	...	53.014	-45.175	-4	...	...	...	...	57.343	-21.489	-5	c	...
...	45.901	-25.907	-5	e	...	...	53.016	-36.291	-2	...	...	...	...	57.588	-36.744	1.20	47.1180	9.8
...	45.950	-28.475	-5	...	...	...	53.067	-13.019	-2	...	...	...	...	57.841	+5.032	0.75	...	...
...	46.381	-28.574	0.65	47.1163	10.0	*	53.169	-2.349	1.00	46.1290	9.9	...	...	57.862	+34.998	-5	e	...
...	+46.407	+18.616	-1	...	...	...	+53.387	+25.083	-5	...	...	...	...	+58.446	-13.606	-4	...	...
*	46.410	-29.366	1.50	47.1164	8.8	...	53.456	-45.250	-5	b	...	...	...	58.491	-15.223	0.95	47.1182	10.4
...	46.637	-22.793	-5	e	...	...	53.676	+36.898	-3	...	...	...	S*	58.502	-3.582	1.20	47.1181	9.3
...	46.686	+23.428	-4	...	...	...	53.754	-35.615	-2	...	...	...	...	58.762	-30.699	-1	...	...
...	47.012	+6.854	-5	...	...	...	54.032	-26.637	0.90	47.1172	10.4	...	...	58.892	-0.882	-2	...	...
651	* +47.068	+41.850	0.90	46.1282	10.0	...	691	+54.071	-54.189	-5	...	...	731	+58.928	-44.839	-1	...	...
...	47.068	-31.951	0.90	47.1165	9.7	*	54.213	+35.918	1.00	46.1291	10.0	...	...	59.281	+30.408	-2	...	...
...	47.236	+40.688	-2	...	...	...	54.367	-1.046	0.95	46.1293	10.4	...	...	59.326	+7.674	-5	e	...
...	47.486	+27.802	-3	...	...	+	54.525	+42.648	-3	...	...	...	...	...	...	...	...
...	47.681	+45.110	-1	46.1283	10.0	...	54.778	-13.310	-4	...	...	...	...	...	...	...	...
...	+47.737	-34.688	-3	...	...	*	+54.984	+38.648	1.00	46.1292	10.4	...	...	...	...	...	...
*	47.760	-50.914	1.00	47.1166	9.6	*	55.128	-24.325	1.00	47.1173	10.0	...	...	...	...	...	...
*	47.888	-59.381	1.70	47.1167	8.6	*	55.395	-23.758	1.00	47.1174	10.2	...	...	...	...	...	...
...	48.221	-27.171	-3	...	...	...	55.454	-54.857	-5	...	...	...	...	...	...	...	...
...	48.273	+28.984	-3	...	...	...	55.487	-22.564	-5	...	...	...	...	...	...	...	...
661	S * +48.538	+24.116	6.00	46.1284	5.6	...	701	+55.500	+23.294	-4	...	...	...	...	...	...	...
+	49.534	+36.326	1.00	46.1285	10.0	...	55.542	-51.771	-3	...	...	...	...	...	...	...	...
+	49.601	-42.589	1.15	47.1168	9.5	...	55.556	+23.041	-3	...	...	...	...	...	...	...	...
...	49.655	-41.760	-5	...	...	*	55.647	-25.351	1.00	47.1175	10.0	...	...	...	...	...	...
*	49.770	+18.336	1.10	46.1287	9.5	...	55.684	-16.826	0.65	...	...	...	...	...	...	...	...
...	+49.832	+31.171	0.90	46.1286	10.0	...	+55.698	+32.228	0.90	46.1294	10.4	...	...	...	...	...	...
...	49.922	+11.758	0.85	...	...	...	55.731	+11.193	-4	...	...	...	...	...	...	...	...
...	50.253	+11.923	0.75	...	...	...	56.002	-41.105	-5	e	...	...	...	...	...	...	...
...	50.375	-54.026	-1	...	...	*	56.211	-21.622	1.10	47.1176	9.6	...	...	...	...	...	...
*	50.886	+13.939	0.95	46.1288	10.0	...	56.223	+2.761	0.65	...	...	...	...	...	...	...	...

1-10					11-20					21-30								
I	-60.041	-31.758	0.80	0	...	...	-59.200	-30.677	-5	M	...	S*	-57.255	-35.323	1.90	47.1160	8.8
...	59.833	-0.855	-4	...	...	...	59.145	-14.946	-4	...	...	...	57.024	-49.273	-5	...	...
...	59.754	-1.214	0.85	...	...	...	58.927	-10.601	-4	...	...	...	56.911	-47.112	-4	...	...
...	59.725	+4.065	0.70	*	58.294	-26.867	1.05	47.1156	9.9	56.829	-57.170	-5
...	59.646	+23.725	-5	...	...	...	58.074	+23.326	-3	...	...	*	56.594	+31.696	0.95	46.1282	10.0
...	-59.638	+58.829	0.90	45.1274	10.0	*	-57.967	-14.631	1.50	47.1157	8.8	...	56.513	+18.451	0.80	...	...
*	59.327	+0.914	1.00	46.1280	9.7	...	57.717	+1.448	-4	...	...	...	56.393	+40.538	-2	...	...
*	59.302	-50.780	1.00	47.1154	9.9	*	57.653	-33.478	1.20	47.1158	9.2	...	56.388	+23.269	-4	...	...
...	59.286	+18.060	0.85	46.1281	10.0	...	57.419	+7.664	-5	...	...	†	56.084	+44.986	0.70	46.1283	10.0
...	59.204	+13.619	-5	...	...	*	57.345	-38.899	1.00	47.1159	9.4	...	55.898	-55.266	-5	...	...

L measured from 1, 155, 318, 486.
C " " 73, 236, 407, 527.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
31-90																	
3 ⁱ	-55°7'38	+27°6'73	-3	o	...	9 ⁱ	-48°0'63	-49°0'58	0°65	47.1171	10°0	15 ⁱ	-40°4'68	-11°1'41	-4	o	...
*	55°7'32	-31°2'14	1°15	47.1161	9°4	...	47°9'26	-0°9'46	0°80	46.1293	10°4	...	40°4'62	+19°0'25	-4	...	...
...	55°6'03	-26°0'71	-5	E	...	...	47°8'57	-45°1'09	-3	...	...	*	40°4'14	-34°2'52	1°25	47.1184	9°5
...	55°5'47	+6°7'22	-2	...	...	...	47°6'65	+32°3'56	0°75	46.1294	10°4	...	40°3'34	-4°3'74	0°75	47.1185	10°4
...	55°4'74	-28°6'38	-4	...	...	...	47°5'78	+23°4'20	-4	...	...	†	40°2'77	+41°1'69	0°95	46.1301	10°0
...	55°4'40	+20°4'02	-5	M	...	...	47°5'10	+23°1'77	-4	...	...	...	-40°1'98	+24°6'78	-4	...	...
...	55°1'40	+10°3'99	-5	M	...	...	47°4'42	-26°5'42	0°70	47.1172	10°4	...	40°1'90	-13°1'98	0°75	47.1187	10°4
...	55°0'79	-2°1'99	-5	...	...	...	47°4'38	-35°5'22	-3	...	...	†	40°1'87	-20°4'44	0°90	47.1186	10°4
...	55°0'26	-28°7'25	0°90	47.1163	10°0	...	47°4'26	-45°1'62	-5	M	...	*	40°0'17	-35°7'78	0°95	47.1188	10°4
...	54°9'78	+28°8'73	-4	...	...	...	47°1'28	-13°1'87	-4	...	...	...	39°9'92	+44°9'23	0°65	46.1302	10°4
4 ⁱ	101																
*	-54°9'73	-29°5'02	1°35	47.1164	8°8	...	-46°9'63	+11°3'30	-4	...	...	†	-39°9'44	+44°9'71	-3	...	...
...	54°9'68	-22°9'33	-5	E	...	...	46°5'80	+36°2'86	-3	...	...	...	39°8'80	-35°5'31	0°90	47.1189	10°4
...	54°8'91	-16°7'71	-4	...	...	...	46°5'70	+45°7'31	-3	...	...	...	39°5'76	-24°3'96	0°90	47.1190	10°4
S*	54°5'54	+24°0'18	6°00	46.1284	5°6	...	46°5'33	+47°1'87	-3	46.1295	10°4	...	39°4'59	+6°5'16	-5	M	...
...	54°2'68	+14°8'97	-5	...	...	...	46°5'24	-54°0'74	-4	...	...	...	39°3'76	+53°1'06	-4	...	...
*	54°2'35	-32°0'77	1°00	47.1165	9°7	*	-46°4'23	-24°1'91	1°00	47.1173	10°0	...	-39°1'80	+0°8'33	-5	...	...
...	53°9'46	+36°2'56	0°90	46.1285	10°0	...	46°4'08	+42°0'58	-3	...	...	...	39°0'47	-16°9'26	-4	...	...
...	53°4'85	+31°1'17	0°95	46.1286	10°0	...	46°1'87	+2°9'20	-3	...	...	*	39°0'16	-50°0'84	1°00	47.1191	10°1
†	53°4'75	-34°7'84	-4	...	...	*	46°1'71	-23°6'05	1°00	47.1174	10°2	S*	38°8'45	+50°6'11	2°90	46.1303	8°0
...	53°2'49	-27°2'58	-2	...	...	...	46°1'32	+34°6'20	-4	...	...	*	38°6'89	-19°6'50	1°00	47.1192	10°2
5 ⁱ	III																
*	-53°1'28	+18°2'79	1°05	46.1287	9°5	...	-46°1'24	-22°4'08	-4	...	...	...	-37°9'34	+5°8'59	-5	...	...
...	53°0'87	-31°1'30	-5	M	...	...	46°1'13	+9°3'59	-4	...	...	...	37°8'46	-57°6'60	-5	M	...
*	52°9'31	-51°0'16	1°10	47.1166	9°6	...	46°1'09	-16°6'77	0°65	...	...	...	37°7'32	-22°9'09	-3	...	...
...	52°8'92	-34°5'66	-5	M	...	...	45°9'76	+22°5'71	0°70	...	...	...	37°7'24	-43°3'64	-3	...	...
...	52°7'77	+11°7'10	0°80	...	*	45°8'79	-25°2'02	1°00	47.1175	10°0	*	37°7'08	+54°7'87	0°95	46.1304	10°2	
*	52°5'32	-59°4'79	1°40	47.1167	8°6	...	-45°5'92	+35°1'93	-5	E	...	S*	-37°2'80	-56°2'80	2°00	47.1193	8°6
...	52°4'52	+11°8'84	0°85	...	*	45°4'24	-21°4'54	1°20	47.1176	9°6	...	37°2'73	-2°6'27	0°70	...	...
...	52°2'97	+44°8'62	-4	...	...	45°1'36	-51°6'14	-3	...	...	*	37°1'88	+56°2'98	1°15	46.1306	9°8	
...	52°1'18	-41°9'69	-5	M	...	†	45°1'21	-54°7'02	-5	...	...	...	37°1'22	-53°3'76	-2	...	...
5 ⁱ	51°9'37	+24°7'34	-4	...	...	45°0'19	-40°9'38	-4	E	...	...	37°1'01	+17°0'23	0°70	...	...
6 ⁱ	121																
*	-51°8'87	+13°9'23	1°00	46.1288	10°0	*	-44°8'98	-8°8'17	1°20	47.1177	9°8	...	-37°0'94	+4°1'48	-5	...	...
...	51°4'54	-33°3'54	-5	M	...	...	44°6'51	+5°2'43	-3	...	...	...	36°9'75	+16°0'05	-5	...	...
*	51°3'38	-42°6'30	1°05	47.1168	9°5	...	44°5'89	-56°4'18	-5	M	...	...	36°9'72	+33°5'98	-2	...	...
...	51°3'31	-41°8'01	-4	...	...	*	44°3'97	+56°1'20	1°40	46.1296	9°6	...	36°8'21	+44°7'85	-4	...	...
...	51°1'22	+10°0'17	-3	...	...	...	44°3'00	-27°7'76	-3	...	...	...	36°8'19	+14°3'47	0°85	46.1305	10°4
...	51°1'07	-16°6'82	-5	M	...	...	-44°2'95	-21°2'83	-5	E	...	...	-36°7'37	-10°1'13	0°70	...	...
...	51°0'02	+26°0'99	0°95	46.1289	9°9	...	44°2'06	-49°8'85	0°90	47.1178	10°4	*	36°7'03	-37°9'84	1°00	47.1194	10°0
...	50°7'59	-51°5'85	-5	M	...	...	44°0'94	-39°2'08	0°80	47.1179	10°4	...	36°2'26	-33°9'84	-3	...	...
...	50°5'12	+30°2'28	-3	...	...	...	44°0'28	+30°6'54	-3	...	...	*	35°7'37	+3°6'27	3°00	46.1307	8°6
...	50°5'11	+23°0'55	-5	M	...	S*	43°7'12	-3°3'52	1°35	47.1181	9°3	...	35°6'62	-59°4'39	-4	...	...
7 ⁱ	131																
...	-50°5'06	-29°0'10	-5	M	...	*	-43°5'66	-36°5'32	1°25	47.1180	9°8	...	-35°6'31	-10°7'60	0°85	47.1196	10°4
†	50°2'23	-54°0'39	-4	...	...	...	43°4'54	-13°3'60	-5	...	...	...	35°5'15	+31°0'81	-5	...	...
...	49°8'36	+36°9'64	-2	...	...	...	43°4'13	-0°6'32	-4	...	...	*	35°4'96	-29°7'24	0°95	47.1195	10°0
*	49°7'71	-29°2'38	1°00	47.1169	10°0	...	43°3'55	-14°9'80	0°90	47.1182	10°4	...	35°0'19	-54°2'91	-5	M	...
...	49°7'35	+25°1'42	-4	...	...	...	43°2'45	+7°9'37	-5	E	...	...	34°8'57	-38°2'24	-5	...	...
...	49°5'17	-14°7'49	-4	...	*	43°0'76	+34°2'81	2°10	46.1297	8°4	*	-34°7'45	-45°8'32	1°00	47.1197	9°8	
...	49°4'72	-17°7'44	-5	M	...	...	42°8'06	+36°8'09	0°70	46.1298	10°4	...	34°7'25	-1°3'72	-5	...	...
*	49°2'70	+35°9'93	1°00	46.1291	10°0	...	42°6'88	-44°4'98	-5	M	...	...	34°6'27	+13°9'04	-5	...	...
...	49°1'73	+42°7'38	-3	...	...	...	42°5'91	-30°4'35	-2	...	...	...	34°5'34	+28°9'89	0°75	...	...
*	49°0'81	-2°2'89	1°00	46.1290	9°9	†	42°3'46	+35°0'94	1°40	46.1299	8°9	...	34°5'03	-6°3'50	-2	...	...
8 ⁱ	141																
...	-48°9'75	-59°2'09	0°75	47.1170	10°0	...	-42°3'15	+0°7'16	-3	...	...	...	-34°0'79	+50°6'85	-4	...	...
...	48°8'45	-12°9'50	-2	...	*	41°9'96	-13°8'83	1°00	47.1183	10°0	...	33°9'84	+1°0'62	-4	...	...
...	48°7'41	-46°1'52	-5	M	...	...	41°9'70	-44°5'76	-1	...	...	*	33°9'50	-40°8'81	1°15	47.1198	9°6
...	48°7'30	+39°4'04	-5	...	...	...	41°5'09	-12°9'52	-4	...	...	n *	33°6'94	+49°4'25	1°00	46.1309	9°6
...	48°6'38	+27°3'30	-5	M	...	...	41°3'59	-47°5'08	-5	...	...	...	33°6'83	-40°1'94	-5	...	...
...	-48°6'12	-48°8'53	-4	...	*	-41°1'09	+12°4'26	1°35	46.1300	9°4	n	-33°6'14	+49°5'83	0°85	46.1309	9°6	
...	48°5'86	+38°7'61	0°90	46.1292	10°4	...	41°0'39	-28°7'52	-2	...	...	*	33°5'94	-50°3'94	1°00	47.1199	9°8
...	48°3'68	+30°9'89	-5	...	...	...	40°8'68	-38°9'62	-5	M	...	...	33°5'68	+8°5'17	0°75		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
211-270																		
211	-33·237	-49·152	1·20	47.1201	9·4	...	-25·963	+27·299	-5	...	...	...	331	-18·362	-10·466	-5	...	...
...	33·213	-12·322	-3	...	...	...	25·949	-8·987	-4	...	...	...	...	18·166	-51·744	-3	...	...
...	33·209	+36·816	-4	...	...	...	25·486	-55·381	-5	M	...	...	...	18·029	-17·190	0·90	47.1212	10·4
*	33·186	+2·177	2·90	46.1310	8·4	...	25·431	-50·270	0·80	...	...	...	...	17·870	-57·872	-5	...	...
...	32·884	-14·672	-5	...	...	...	25·374	+5·591	-5	...	...	...	...	17·617	-43·931	0·80	...	...
...	-32·817	-7·871	-5	...	...	...	25·362	+18·441	-3	...	...	...	...	17·503	-55·878	0·90	47.1213	10·4
...	32·651	-12·158	-2	...	...	...	25·354	+10·470	-3	...	...	...	...	17·460	+17·997	-4	...	...
...	32·590	-34·287	-3	...	...	...	25·195	+1·221	-5	...	...	...	...	17·414	+33·009	1·00	46.1329	9·8
...	32·539	-30·820	0·85	...	...	...	25·182	+30·646	-5	...	...	...	...	17·139	-18·414	1·20	47.1214	9·6
...	32·427	-49·448	0·85	...	...	...	25·162	-1·597	-5	...	...	...	...	17·133	+37·927	1·05	46.1330	9·6
221	...	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	-32·143	+1·243	-5	...	...	...	-25·120	-59·273	-5	...	...	...	...	-16·922	+2·597	0·85	...	...
...	32·026	-38·203	0·80	...	...	...	24·990	+32·819	-4	...	...	...	...	16·903	+30·254	1·00	46.1331	9·8
S *	31·967	+19·370	5·80	46.1311	6·3	...	24·972	+1·201	-4	...	...	...	...	16·803	+25·374	1·35	46.1332	9·2
...	31·964	+2·826	-4	...	...	...	24·969	-58·926	-3	...	...	...	...	16·758	+24·130	4·00	46.1333	7·6
*	31·807	-34·149	1·70	47.1202	9·1	...	24·848	-25·034	-5	...	...	...	...	16·667	-51·983	1·00	47.1216	10·2
...	-31·764	+34·330	-5	...	...	...	-24·847	-33·930	-3	...	...	...	...	-16·490	-55·063	1·00	47.1217	10·1
...	31·654	+38·285	-4	...	...	...	24·177	+33·726	-5	...	...	...	...	16·436	-17·522	-5	...	...
...	31·606	-39·118	0·90	47.1203	10·4	...	24·118	-30·932	0·65	...	...	...	...	16·429	-20·625	-5	...	...
...	31·482	+21·539	-5	...	...	...	23·932	+4·132	0·70	46.1315	10·4	*	...	16·327	-55·512	1·00	47.1218	10·4
...	31·331	+42·411	-5	...	...	...	23·795	-49·987	-5	M	...	...	...	16·169	-33·034	0·85	47.1219	10·4
231	...	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	-31·184	-31·750	-2	...	...	...	-23·756	+45·419	-3	...	...	...	...	-16·113	+39·969	-5	...	...
...	31·141	+48·481	0·70	46.1312	10·4	...	23·700	+39·946	0·70	...	...	...	...	16·101	+52·376	-4	...	...
...	30·580	-1·445	-3	...	...	...	23·536	+58·855	0·65	...	...	...	...	16·025	+37·752	-5	...	...
...	30·579	-24·630	-4	...	...	...	23·321	+14·643	1·35	46.1316	9·4	...	...	15·994	+33·883	0·90	46.1334	10·0
...	30·401	+39·164	-5	...	...	...	22·975	-19·804	-3	...	...	...	...	15·973	+59·966	-3	...	...
...	-30·188	-25·261	-5	...	...	...	-22·725	+27·108	1·35	46.1317	9·3	...	...	-15·838	+47·207	0·95	46.1335	10·2
...	30·008	+41·020	-4	...	...	...	22·708	+29·056	-5	...	...	...	...	15·713	+25·874	-5	...	...
*	29·791	+46·143	0·90	46.1313	10·0	...	22·238	+49·157	-5	...	...	...	...	15·713	-37·698	-4	...	...
...	29·574	-48·588	-5	M	...	...	22·215	-33·996	-3	...	...	...	...	15·583	+55·056	-2	...	...
...	29·539	-21·946	-5	...	...	...	22·001	+13·273	0·75	46.1318	10·4	...	...	15·541	-52·653	-4	...	...
241	...	...	...	...	...	...	301	...	...	...	...	...	361	...	...	...	...	...
...	-29·497	+50·207	-4	...	...	...	-21·995	-39·476	0·70	...	...	...	...	-15·532	-55·892	-5	M	...
...	29·313	+35·549	-3	...	...	...	21·809	+48·965	-3	...	...	...	...	15·478	+23·087	2·00	46.1336	8·8
...	29·234	+36·801	-5	...	...	...	21·804	+44·914	1·00	46.1319	10·0	...	...	15·264	-40·411	-4	...	...
...	29·175	-17·295	0·80	47.1204	10·4	...	21·738	+5·804	-4	...	...	...	...	15·244	-57·959	-5	...	...
...	29·048	+58·149	-4	...	...	...	21·704	+31·138	1·15	46.1320	9·8	...	...	14·947	-38·791	0·80	47.1220	10·4
...	-28·901	-38·943	-2	...	...	...	-21·623	-9·383	-3	...	...	...	...	-14·734	+52·551	-4	...	...
*	28·895	+38·654	0·95	46.1314	10·1	*	21·524	+55·154	1·30	46.1321	9·8	...	...	14·636	+37·978	0·80	...	...
...	28·843	-48·307	0·70	...	...	...	21·502	-22·813	-4	...	...	...	...	14·577	+16·433	1·00	46.1337	9·8
...	28·819	-18·769	0·80	47.1205	10·4	...	21·235	+47·169	-4	...	...	...	...	14·508	+46·559	0·70	...	...
...	28·703	+38·014	-5	...	...	...	21·042	-43·926	-5	M	...	...	...	14·335	+53·488	-4	...	...
251	...	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...
...	-28·681	+31·326	-2	...	...	...	-20·902	+34·717	1·60	46.1322	8·8	*	...	-14·330	+0·962	1·10	46.1338	9·8
...	28·265	+29·674	-3	...	...	...	20·846	-11·347	-5	...	...	...	...	14·256	-43·911	-2	...	...
...	28·197	+22·040	-5	...	...	...	20·773	+7·060	-5	...	...	...	...	14·044	-43·972	1·05	47.1221	9·5
...	28·137	-12·202	0·75	47.1207	10·4	...	20·757	+59·558	-5	...	...	...	...	13·925	+56·441	1·70	46.1340	8·1
*	28·101	-32·530	1·20	47.1206	9·6	*	20·562	+24·619	1·05	46.1323	10·0	*	[	13·802	+56·441	2·00	46.1341	10·4
...	-28·037	-5·165	-4	...	...	...	-20·478	+27·687	-5	...	...	...	...	-13·840	+3·132	0·90	46.1341	10·4
...	28·024	+21·113	-4	...	...	...	20·348	-54·850	-4	B	...	...	...	13·773	+39·641	0·90	46.1339	10·4
...	28·015	-10·826	-3	...	...	...	19·964	+4·078	-5	...	...	...	...	13·720	+55·686	-3	...	...
...	28·013	+13·812	-5	...	...	...	19·847	-39·018	-5	...	...	...	...	13·508	+39·955	2·00	46.1342	8·1
...	27·690	-33·069	0·70	...	...	...	19·822	-43·400	0·90	47.1210	10·4	*	...	13·430	+28·786	1·00	46.1343	9·8
261	...	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...
...	-27·591	+51·662	-5	...	...	...	-19·751	+14·179	1·00	46.1324	10·1	...	...	-13·408	+6·889	0·80	46.1344	10·4
...	27·380	+22·661	-5	...	...	...	19·712	+57·840	-2	...	...	...	...	13·398	-45·504	0·95	47.1222	9·8
*	27·145	-58·184	1·60	47.1208	9·3	...	19·508	+50·462	-4	...	...	...	...	13·395	+35·593	1·60	46.1345	9·1
...	26·674	-29·280	-4	...	...	...	19·169	-27·374	0·90	47.1211	10·2	...	...	13·321	-37·545	0·80	...	...
...	26·573	+18·633	0·90	...	...	...	19·162	+27·835	0·95	46.1325	10·0	...	...	13·291	-14·472	-5	...	...
...	-26·310	+46·447	-3	...	...	...	-19·090	+34·090	2·00	46.1326	8·3	...	...	-13·140	+48·758	-5	...	...
...	26·297	-52·689	0·80	...	...	...	19·054	+11·994	0·90	46.1328	10·2	...	...	13·056	+40·630	-4	...	...
*	26·172	-38·638	1·40	47.1209	9·0	*	19·032	+18·590	2·00	46.1327	8·8	...	...	12·901	-5·796	0·90	47.1223	10·2
...	26·146	-37·064	0·70	...	...	...	18·733	-56·461	-3	...	...	...	S *	12·790	+49·433	2·50	46.1346	8·2
...	25·991	+13·427	-5	M	...	...	18·511	+56·508	-4	...	...	...	...	12·764	+35·264	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
391-450																		
39 ^I	-12·650	-19·791	0·90	47·1224	10·4	45 ^I	-4·353	+35·168	-4	...	...	51 ^I	+ 6·279	+59·190	-4	...	...
...	12·504	+36·542	-5	...	...	...	4·003	-19·831	0·85	47·1234	10·1	*	6·570	-20·088	1·15	47·1250	9·8
...	12·461	+42·917	-5	...	...	8 *	3·860	+11·191	4·00	46·1360	7·5	...	6·619	+39·148	-5	...	...
...	12·384	+56·293	-5	...	...	...	3·800	-58·940	-4	...	...	*	6·674	-6·529	1·00	47·1251	9·8
...	12·196	-17·097	-4	...	...	...	3·695	+51·166	0·65	46·1361	10·4	...	6·686	+49·880	-3	...	...
...	-11·844	+52·483	0·85	...	...	...	-3·623	-26·521	0·90	47·1235	10·2	...	+ 6·882	-38·343	-5	...	...
*	11·810	+45·577	0·90	46·1347	10·1	...	3·564	-3·324	1·00	47·1236	10·1	*	7·248	+21·689	2·60	46·1373	8·6	
...	11·792	+44·265	0·90	46·1348	10·4	*	3·552	-51·401	1·00	47·1237	10·4	...	7·343	-32·880	-4	...	...
...	11·704	-4·239	0·95	47·1225	10·2	*	3·488	+33·801	0·95	46·1362	10·1	...	7·593	-31·224	0·80	...	...
...	11·699	-43·234	-5	...	...	...	3·401	-55·500	0·70	...	...	...	7·673	-59·295	-4	...	...
40 ^I	-11·478	+44·733	-4	...	...	46 ^I	-3·218	+31·652	-2	...	...	52 ^I	+ 7·838	+30·668	0·90	46·1374	10·4
*	11·227	+23·322	1·00	46·1349	10·1	*	3·099	+24·666	1·10	46·1363	9·8	...	7·858	-59·075	-4	...	...
...	11·001	+26·734	-5	...	...	*	3·014	+ 5·787	1·20	46·1364	9·8	...	7·867	-39·933	-4	...	...
...	10·814	+30·423	-4	...	...	...	2·963	-25·400	-5	M m	...	...	8·780	-27·168	-4	...	...
...	10·796	-42·940	0·70	...	...	...	2·858	+36·888	-5	m	...	...	9·125	-14·176	-5	...	...
*	-10·519	+41·346	0·95	46·1350	10·1	...	2·839	-15·797	-4	...	...	...	+ 9·445	+ 1·105	0·90	46·1376	10·4
...	10·104	-2·492	-3	...	...	...	2·561	+50·567	-4	...	...	...	9·705	+24·083	-5	...	...
...	9·838	-43·185	-5	M	...	...	2·468	-18·465	0·65	47·1238	10·4	*	9·835	+42·241	2·30	46·1375	8·6
...	9·185	+44·383	-2	...	...	...	2·181	-7·029	-3	47·1239	10·4	...	10·092	+30·209	-2	...	...
...	9·009	-7·136	-4	...	...	*	2·083	+13·104	1·05	46·1365	9·8	...	10·199	-28·043	-4	...	...
41 ^I	-8·994	+16·204	-5	...	...	47 ^I	-1·846	-1·925	-5	...	...	53 ^I	+ 10·306	+21·683	-4	...	...
...	8·940	-57·692	0·70	...	...	...	1·614	-57·664	0·80	...	...	...	10·442	+50·523	-5	m	...
...	8·739	-52·880	-3	...	...	*	1·555	-52·488	1·20	47·1240	10·0	...	10·639	-58·410	-5	...	...
...	8·653	+21·581	-5	...	...	...	1·499	-3·485	-5	M	...	...	10·720	-52·348	-1	...	...
*	8·579	-19·474	1·25	47·1226	9·5	...	1·485	+36·542	0·70	46·1366	10·4	*	10·762	+ 7·283	1·35	46·1377	9·2	
...	8·404	+43·780	-4	...	...	...	1·372	-35·861	-4	...	...	*	+ 10·931	-7·528	1·00	47·1252	10·0
...	8·225	+11·857	-4	...	...	...	1·348	-49·871	-4	...	...	*	11·384	-59·622	-3	...	...
...	8·168	-56·033	0·65	...	...	...	1·144	-18·766	-5	...	...	...	11·497	+55·135	-4	...	...
...	8·069	+37·980	0·70	46·1351	10·4	...	0·931	-36·515	-5	M	...	*	11·530	-12·395	1·35	47·1253	9·5	
42 ^I	7·722	-32·212	0·90	47·1227	10·1	S *	0·785	-23·432	2·00	47·1241	9·1	...	11·640	+34·360	-5	m	...	
...	7·596	+23·913	-5	m	...	48 ^I	-0·728	-59·505	1·00	47·1242	10·2	...	54 ^I	+ 11·689	-30·649	-4
*	7·551	+29·087	3·00	46·1352	8·0	...	0·596	-56·923	-5	M	...	*	11·797	+ 7·684	1·70	46·1379	9·0	
*	7·421	+21·901	1·40	46·1353	9·1	...	0·563	-52·098	0·90	47·1243	10·4	...	11·816	+32·021	0·70	46·1378	10·4	
*	7·097	+41·717	1·40	46·1354	9·5	...	0·478	+56·614	-4	...	...	...	12·008	-47·908	-5	...	...
...	6·986	-37·976	0·75	47·1228	10·4	...	0·397	+20·024	1·20	46·1367	9·8	...	12·120	+17·721	0·95	46·1380	10·4	
...	6·938	-19·917	-4	...	...	...	0·086	-52·029	0·90	...	...	*	+ 12·201	-57·605	1·00	47·1255	10·2
*	6·862	-46·168	1·10	47·1229	10·0	*	0·002	+ 5·935	1·20	46·1368	9·5	...	12·272	-12·311	-1	47·1254	10·4	
*	6·800	-16·764	1·10	47·1230	9·8	...	+ 0·399	-51·869	-5	m	...	...	12·302	+18·560	-5	...	...
...	6·736	-58·640	-5	...	...	*	2·017	-45·946	1·00	47·1244	10·0	...	12·514	-0·530	0·90	46·1382	10·4
...	6·274	+16·516	-3	...	...	...	2·310	-55·338	-4	...	...	...	12·585	-20·719	-5	...	...
43 ^I	*	-6·250	+53·252	2·40	46·1355	8·4	*	+ 2·322	+54·938	1·20	46·1369	9·0	...	+ 12·622	+31·421	0·70	46·1381	10·4
*	6·246	-19·365	1·00	47·1231	10·0	...	2·683	+ 7·069	-4	...	...	...	12·810	+11·726	-1	...	...
†	6·202	-24·740	0·80	47·1232	10·0	*	2·997	+59·123	1·25	45·1352	9·3	...	12·873	+37·786	-3	...	...
...	6·167	+11·863	-4	...	...	*	3·486	-17·054	1·00	47·1245	10·0	...	12·912	-30·582	0·90	47·1257	10·4
...	6·131	+40·703	-5	M m	...	...	3·586	+57·455	-4	...	...	...	12·967	+14·337	-2	...	...
*	-5·999	+48·860	1·35	46·1356	9·3	...	+ 3·680	+39·817	0·90	46·1370	10·4	*	+ 13·068	-14·749	-1	47·1256	10·4	
...	5·785	+41·078	0·90	46·1357	10·0	*	4·157	-49·517	0·95	47·1246	10·0	*	13·253	-57·572	1·00	47·1258	10·4	
...	5·719	-43·885	-4	...	...	...	4·339	+37·625	-4	...	...	...	13·332	-16·914	-5	...	...
...	5·665	-54·279	-5	M m	...	*	4·524	+12·245	1·00	46·1371	10·0	...	13·403	-32·535	-4	...	...
...	5·659	+42·390	-5	...	...	†	4·608	+59·721	-1	...	...	...	14·019	-58·697	-3	...	...
44 ^I	...	-5·507	+35·016	-2	46·1358	10·4	...	+ 4·708	-34·007	0·90	47·1247	10·1	...	+ 14·047	-1·764	0·90	46·1384	10·4
†	5·330	+20·250	0·75	46·1359	10·4	*	4·789	-9·377	1·00	47·1248	9·8	...	14·206	+ 1·963	1·00	46·1385	10·2	
...	5·252	+59·915	-4	...	...	...	4·866	+49·235	-4	...	...	*	14·325	+57·009	3·00	46·1383	7·9
...	5·235	+44·514	-4	...	...	...	4·998	+31·506	-5	...	...	...	14·336	-57·831	-3	...	...
...	5·151	+21·010	-5	m	...	*	5·063	+42·707	1·00	46·1372	9·8	...	14·742	-22·068	0·95	47·1259	10·2	
*	-5·030	-55·045	-3	...	...	...	+ 5·113	+38·289	-4	...	...	...	+ 15·728	-35·951	-5	m	...
...	4·741	-31·528	1·20	47·1233	9·8	...	5·209	-46·144	-5	...	...	...	16·188	-30·306	-5	...	...
...	4·603	+42·312	-5	M m	...	*	5·475	-53·603	1·15	47·1249	9·5	S *	16·209	-2·181	3·50	46·1386	7·7	
...	4·577	-41·800	-4	...	...	...	5·805	-11·874	-5	...	...	...	16·327	-47·519	0·95	47·1261	10·2
...	4·427	+26·869	-5	m	...	†	5·935	+30·091	0·80	...	...	...	16·579	+54·413	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
571-630																	
571	+16.878	-33.515	-4	o	...	631	+25.362	+48.918	1.00	46.1396	10.0	691	+34.126	-43.669	-4	o	...
*	16.969	-27.303	1.25	47.1262	9.4	*	25.616	-56.835	0.95	47.1273	10.1	*	34.102	+48.908	-3	...	...
...	17.039	+47.154	-5	...	...	*	25.667	-14.230	1.60	47.1271	8.8	...	34.442	+34.923	1.20	46.1407	9.8
...	17.095	+30.954	-4	...	...	†	25.886	-4.737	-3	47.1272	10.4	...	35.283	+32.508	-4	...	...
*	17.125	-52.385	1.20	47.1265	9.8	*	26.231	-20.743	1.00	47.1274	9.8	...	35.310	+4.680	-3	...	...
*	+17.137	-32.991	1.40	47.1263	9.2	...	+26.405	+55.891	0.75	46.1397	10.4	...	+35.428	-11.127	-2	...	...
...	17.169	-40.575	0.70	47.1264	10.4	...	26.681	+51.767	-3	...	...	...	35.521	+36.392	-5	...	...
...	17.567	-1.702	-4	...	...	*	26.700	-5.680	1.35	47.1275	9.4	...	35.625	-41.272	-4	...	...
...	17.685	+29.029	-5	...	...	...	26.703	-11.735	-4	...	...	...	35.697	-56.229	-1	...	...
...	17.742	-53.994	-4	...	...	...	26.782	+22.938	-4	...	...	...	35.842	-39.831	0.70	47.1283	10.4
581	+17.847	+15.445	-5	...	...	641	+26.921	-51.333	1.00	47.1276	10.1	701	+35.925	-39.194	0.75	47.1284	10.4
*	17.941	-13.196	1.40	47.1266	9.1	...	27.018	+58.039	-4	...	...	...	36.008	+33.337	-3	...	...
...	18.200	+35.307	-5	...	...	...	27.018	-23.641	-3	...	...	...	36.164	-13.242	-3	...	...
...	18.269	-51.606	-3	...	...	...	27.263	-29.190	-4	...	...	...	36.282	-17.569	-3	...	...
...	18.444	-2.356	-4	...	...	*	27.271	+54.395	1.40	46.1398	9.2	...	36.398	+30.813	-5	m	...
...	+18.712	-50.683	-5	...	...	...	+27.375	+45.525	0.70	46.1399	10.4	...	+36.595	-41.053	-4	...	...
...	18.730	-0.046	-3	...	...	...	27.492	+52.545	-4	...	...	...	36.983	+34.835	-5	m	...
...	18.858	+7.091	0.75	46.1387	10.4	...	27.560	-50.290	-3	...	...	...	37.170	+1.862	-3	...	...
...	19.008	-50.390	-5	...	...	...	27.583	-16.157	-5	...	...	...	37.399	-50.209	-4	...	...
...	19.148	+10.992	0.90	46.1388	10.1	...	27.595	+13.767	-5	...	...	...	37.616	-58.758	-4	...	...
591	+19.307	-39.051	0.65	47.1268	10.4	651	+27.661	-20.283	-5	...	...	711	* +37.951	-11.280	0.90	47.1285	10.0
...	19.334	-32.863	-4	...	...	...	27.662	+55.633	-3	...	...	...	38.025	+29.032	-5	...	...
...	19.441	+56.154	-3	...	...	...	27.720	-8.380	-5	...	...	S *	38.102	+48.220	1.85	46.1408	9.2
†	19.514	+3.960	-3	...	...	*	27.744	+28.698	1.00	46.1400	10.2	...	38.388	+28.100	-5	m	...
*	19.631	+28.210	1.00	46.1390	9.8	...	27.908	-46.945	0.70	47.1277	10.4	...	38.425	-20.022	0.70	47.1286	10.4
...	+19.674	-4.048	-5	...	...	...	+28.739	-1.006	-3	46.1401	10.4	...	+38.684	-17.774	-2	...	...
*	19.754	+54.222	1.00	46.1389	10.0	...	28.747	-30.361	-5	...	...	...	38.698	+6.555	-4	...	...
...	20.192	+35.518	-5	m	...	...	29.072	+27.710	-4	...	...	...	38.710	+19.274	-5	...	...
...	20.210	-30.114	-5	...	...	...	29.135	+52.372	-5	...	...	...	38.725	-58.448	-4	...	...
...	20.294	+55.184	-4	...	...	...	29.295	+48.977	-3	...	...	...	39.287	+0.704	-3	...	...
601	+20.358	+43.721	0.70	46.1391	10.4	661	+29.629	-13.801	-5	...	...	721	+39.323	-51.733	-2	...	...
...	20.391	-29.786	-5	...	...	...	29.711	+41.259	0.90	46.1402	10.2	...	39.399	-27.277	-5	...	...
...	21.288	+40.715	0.70	46.1392	10.2	...	29.724	-58.965	-4	...	...	...	39.412	+24.639	-5	...	...
...	21.433	+59.941	0.70	45.1381	10.4	...	29.901	-42.266	-4	...	...	...	39.425	+24.175	-4	...	...
*	21.470	+38.055	1.40	46.1393	9.2	*	29.965	+5.965	2.00	46.1404	9.0	...	39.606	-31.062	-3	...	...
...	+21.670	-0.131	-5	...	...	...	+30.041	+38.964	0.80	46.1403	10.2	...	+39.608	-5.250	-3	...	...
...	21.811	+38.552	-4	...	...	...	30.153	-58.583	-3	...	...	...	39.649	+53.359	-1	...	...
*	22.031	+7.478	1.00	46.1394	10.0	...	30.357	-38.465	-5	...	...	*	39.712	-4.044	0.95	47.1289	10.2
...	22.194	+32.390	-4	...	...	...	30.541	-25.243	-4	...	...	...	39.734	-45.963	-3	...	...
...	22.242	+9.380	0.65	...	...	...	30.914	+44.538	-2	...	...	*	39.861	+0.804	1.35	46.1410	9.4
611	+22.362	+5.214	-1	...	...	671	+31.067	-40.563	-5	...	...	731	+39.904	+35.114	0.70	46.1409	10.4
...	22.474	+11.200	-4	...	...	*	31.163	-53.520	1.20	47.1279	9.8	...	39.968	+1.069	0.65	...	...
...	22.497	-25.621	-4	...	...	...	31.211	-56.931	-4	...	...	...	40.111	-9.138	-4	...	...
...	22.752	+55.871	-5	...	...	*	31.354	-11.217	1.05	47.1278	9.8	*	40.213	-34.970	1.20	47.1291	9.8
...	22.771	+59.905	0.80	45.1382	10.4	...	31.427	-40.102	-5	...	...	...	40.265	-4.206	-2	47.1290	10.4
...	+22.956	+9.730	-3	...	...	...	+31.519	+9.713	-3	...	...	...	+40.329	+20.104	0.65	46.1411	10.4
...	23.090	+2.265	-5	...	...	...	31.823	-42.040	0.75	47.1281	10.4	...	40.333	+5.823	-5	m	...
...	23.339	+24.997	-5	...	...	*	32.041	+28.408	1.00	46.1405	9.8	*	40.392	+6.632	1.20	46.1412	9.6
...	23.416	+3.838	-3	...	...	...	32.117	+4.486	-5	m	...	...	40.475	-37.023	-5	...	...
...	23.864	-1.087	-4	...	...	+	32.498	-24.745	1.00	47.1282	9.8	*	40.575	-47.683	1.00	47.1292	9.8
621	+23.928	+9.636	-2	...	...	681	+32.576	-44.553	0.70	...	...	741	+40.743	-40.355	0.65	47.1293	10.4
...	23.990	-45.764	-3	...	...	...	32.602	-8.587	-2	...	...	...	40.847	+34.542	-5	...	...
...	24.082	+44.318	-4	...	...	...	32.606	-38.630	-4	...	...	...	40.915	-27.344	-1	...	...
...	24.102	+51.347	-5	...	...	...	32.669	+43.659	-5	m	...	...	41.013	+43.142	0.65	...	...
*	24.284	+11.150	1.20	46.1395	9.8	...	32.856	+47.019	-4	...	...	...	41.208	-19.674	-5	m	...
...	+24.410	+59.554	-3	...	...	...	+33.178	+32.956	-2	...	...	...	+41.220	+54.669	0.75	46.1413	10.4
...	24.509	-52.607	0.70	47.1270	10.4	...	33.597	-58.286	-4	...	...	...	41.328	-26.895	-3	...	...
...	24.702	-45.711	-3	...	...	...	33.669	-50.113	-5	...	...	...	41.451	-17.217	-4	...	...
...	24.981	-12.419	-3	47.1269	10.4	...	33.751	+11.298	0.75	46.1406	10.4	...	41.509	-56.743	-5	...	...
...	25.095	+44.435	-5	...	...	...	34.068	-43.659	-4	a	...	...	41.510	+14.641	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
751-810															811-870		
75 ¹	+41·552	+33·537	-3	o	...	811	+49·117	+22·744	0·65	o	...	871	+56·969	+32·102	-5	o	...
*	41·648	-43·548	1·00	47.1294	9·8	...	49·338	-50·083	-5	...	...	...	57·382	-39·735	-5	...	...
...	41·702	+25·417	0·65	...	...	S *	49·374	-31·810	1·55	47.1299	9·0	S *	57·401	-46·091	2·00	47.1313	8·6
*	42·033	+29·922	1·10	46.1414	10·0	†	49·532	-6·830	-5	...	...	†	57·652	+30·107	-3	...	...
...	42·059	-7·118	-4	...	...	...	49·604	+40·429	-4	...	...	...	57·770	+16·996	-4	...	...
...	+42·496	+32·523	-5	...	...	...	+49·604	+38·769	-5	m	...	...	+57·878	+52·881	-4	...	...
...	42·520	+14·446	-5	...	...	*	49·639	-23·690	1·05	47.1300	9·8	*	57·945	-15·414	1·20	47.1312	9·8
S *	42·693	+9·412	2·15	46.1416	8·6	...	49·707	-51·989	-2	...	...	...	57·981	+41·939	-5	...	...
*	42·699	+33·170	1·00	46.1415	10·0	*	49·716	+10·788	1·00	46.1426	10·0	...	58·075	-11·957	-3	...	...
...	42·738	+9·932	-3	...	...	...	49·943	-53·475	-3	...	...	...	58·291	+5·837	-5	m	...
76 ¹	+42·828	-44·497	1·00	47.1295	9·8	821	+50·009	+8·001	1·00	46.1427	10·1	881	+58·467	+18·600	-5	...	...
...	43·015	+56·846	-4	m	...	...	50·053	-44·613	-5	...	...	...	58·533	-13·622	-4	...	...
...	43·300	+6·975	-3	...	...	*	50·355	-15·956	0·90	47.1301	10·4	...	58·534	+38·411	-5	m	...
...	43·416	+13·177	-3	...	...	...	50·818	-15·762	-5	m	...	...	58·676	+16·224	-3	...	...
...	43·493	+3·562	-5	m	...	...	50·951	+17·253	0·65	46.1428	10·4	...	58·689	+49·207	0·70	46.1436	10·4
...	+43·494	-14·221	-4	...	...	*	+51·269	+9·533	0·95	46.1429	10·1	...	+58·807	+30·656	-5	...	...
...	43·572	+5·009	-4	...	...	...	51·484	+28·480	-5	...	...	...	58·874	+51·415	0·90	46.1437	10·4
...	43·652	+42·788	0·75	46.1417	10·4	...	51·577	-14·350	0·75	47.1302	10·4	...	59·288	+32·777	-2	...	...
...	43·758	-18·991	-4	...	...	...	51·662	-10·418	-4	...	...	...	59·395	-50·865	-5	...	...
...	44·018	-15·040	-4	...	...	...	51·765	+9·271	-3	...	...	...		
77 ¹	+44·168	+44·356	0·90	46.1419	10·4	831	+51·938	+39·086	-5	...	...				
...	44·238	-31·309	-5	...	...	*	52·073	+3·556	1·40	46.1432	9·6						
...	44·268	+57·003	-1	46.1418	10·4	...	52·073	-26·849	-2	47.1303	10·4						
...	44·295	+4·728	-3	...	...	...	52·196	-46·607	-5	...	...				
...	44·333	-28·256	0·65	...	...	...	52·329	-16·942	-4	...	...				
...	+44·436	-26·091	-4	...	...	...	+52·353	+46·403	-5	...	...				
...	44·600	+42·673	-5	m	...	*	52·373	+37·406	1·40	46.1431	9·4						
*	44·636	-33·172	0·95	47.1296	9·8	...	52·473	-33·320	0·65	47.1304	10·4						
...	44·689	+7·282	-4	...	...	*	52·509	+48·183	1·10	46.1430	10·0						
n	44·819	-16·168	0·65	...	...	...	52·511	-52·472	0·75	...	...				
78 ¹	+44·924	-16·322	1·00	47.1297	10·0	841	+52·559	-1·979	-4	...	...				
n *	45·273	-2·806	-5	...	...	...	52·636	-33·674	0·65	...	...				
...	45·430	+12·353	-5	...	...	...	52·751	-7·048	-5	...	...				
...	45·480	-25·405	-4	...	...	...	52·969	-18·294	-5	...	...				
...	45·506	-53·113	-5	...	...	...	53·264	-27·600	-5	...	...				
...	+45·721	+25·445	0·65	46.1420	10·4	...	+53·298	+57·053	-1	45.1433	10·4						
*	45·792	+11·601	1·00	46.1421	10·1	...	53·356	+28·829	-3	...	...				
...	45·894	+58·743	-3	45.1421	10·4	...	53·374	-3·823	-3	...	...				
...	45·995	-3·300	-4	...	...	...	53·451	+0·456	-5	m	...						
...	45·996	+30·695	-5	...	...	...	53·698	-28·847	-3	...	...				
79 ¹	+46·229	+35·670	-5	...	...	*	+53·715	-10·424	0·95	47.1305	10·2						
...	46·503	-19·946	0·70	47.1298	10·4	...	53·774	-36·679	0·65	47.1306	10·4						
...	46·541	-54·320	-4	...	...	...	53·877	+28·457	-3	...	...				
...	46·597	+17·646	-5	...	...	...	53·992	+29·408	-5	m	...						
...	46·700	+59·159	-4	...	...	...	54·249	-1·471	-4	...	...				
†	+46·751	-44·635	-4	...	...	...	+54·417	-46·545	-5	...	...				
...	46·883	-5·037	-3	...	...	†	54·445	+43·640	-4	...	...				
...	46·915	+58·891	-5	m	...	...	54·619	+8·276	-5	...	...				
...	47·099	-57·184	-1	...	...	...	54·780	-13·508	-4	...	...				
...	47·279	-50·014	-4	...	...	...	55·158	-27·258	0·70	47.1307	10·4						
80 ¹	+47·569	+40·640	1·30	46.1422	9·4	861	+55·439	+24·441	1·05	46.1433	9·8						
...	47·583	+11·018	-4	...	...	...	55·821	-7·744	-3	...	...				
...	47·933	+4·741	-5	m	...	...	56·075	+52·016	-4	...	...				
...	48·328	-52·883	-5	m	...	*	56·085	+39·417	1·60	46.1435	9·2						
...	48·377	+1·873	-5	m	...	*	56·144	+55·520	1·40	46.1434	9·5						
*	+48·398	+5·312	1·05	46.1424	9·8	...	+56·227	-46·513	0·95	47.1309	10·0						
...	48·534	-31·452	-4	...	...	...	56·345	-0·627	-3	...	...				
*	48·747	+40·512	1·30	46.1423	9·6	*	56·369	-52·688	1·20	47.1311	9·8						
...	48·936	+3·464	-4	...	...	...	56·540	-8·388	-3	...	...				
+	49·055	+5·223	0·95	46.1425	10·0	...	56·854	-7·575	0·95	47.1308	10·0						

780, 781. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
1-60																		
I	-60.038	+42.512	-3	46.1417	10·4	61	-48.832	-3.753	-3	...	...	...	121	-37.753	-42.251	-5	...	...
S *	59.925	+9.135	2.15	46.1416	8·6	...	48.798	-33.255	-1	47.1304	10·4	...	...	37.689	-52.349	-5	...	...
...	59.873	+56.734	-4	46.1418	10·4	...	48.646	-46.562	-4	...	...	...	...	37.636	-24.528	-2	...	...
...	59.571	+44.096	-2	46.1419	10·4	...	48.617	-33.609	-2	...	...	...	...	37.182	-10.350	-5	...	...
*	-59.291	-43.833	1.00	47.1294	9·8	...	48.281	-10.339	0·90	47.1305	10·2	...	...	37.155	-7.742	-3	...	...
...	59.257	+6.706	-3	...	...	...	47.977	+8.364	-5	...	...	...	...	36.954	-33.060	-4	...	...
...	58.909	+4.767	-5	...	...	*	47.947	+55.641	1.20	46.1434	9·5	...	...	36.531	+30.797	-2	46.1450	10·4
...	58.378	-14.474	-4	...	...	...	47.898	+52.135	-4	...	...	...	...	36.498	-44.638	-5	...	...
...	58.303	+58.534	-4	45.1421	10·4	...	47.731	-28.755	-4	...	...	...	...	36.472	+11.038	-5	...	...
II	-58.182	+4.504	-3	...	...	71	-47.673	+24.549	1.00	46.1433	9·8	...	...	-36.458	+43.283	-3	...	...
*	58.071	-44.741	1.00	47.1295	9·8	*	47.491	+39.551	1.80	46.1435	9·2	...	...	36.261	+10.201	-5	...	...
...	57.947	-19.222	-5	...	...	...	47.382	-36.570	-3	47.1306	10·4	...	...	36.024	+26.008	0·85	46.1452	10·4
...	57.870	+7.063	-5	...	...	...	47.125	-13.388	-4	...	...	...	...	35.978	+5.883	0·70	46.1451	10·4
...	57.413	+25.250	-2	46.1420	10·4	...	46.431	-46.422	-4	...	...	...	...	35.838	+35.744	-2	...	...
...	-57.092	-28.459	0·70	...	...	...	46.306	-27.105	-1	47.1307	10·4	...	...	-35.834	+41.366	-5	...	...
...	57.055	-26.290	-5	...	...	...	46.261	-7.592	-3	...	...	...	...	35.609	-7.175	-2	...	...
n	56.980	-16.371	0·70	47.1297	10·0	...	46.131	+53.055	-4	...	...	...	...	35.558	+27.860	0·75	46.1454	10·4
...	56.960	-2.996	-5	...	...	...	45.966	-0·473	-2	...	...	...	...	35.416	+6.159	0·70	46.1453	10·4
*	56.892	+11.414	1.00	46.1421	10·1	...	45.678	+42.110	-5	...	...	...	...	35.379	-8.764	-5	...	...
21	...	...	...	...	...	81	...	...	...	...	...	...	...	...	...	...	...	...
n*	-56.874	-16.513	1.00	47.1297	10·0	...	-45.637	+30.287	-2	...	...	...	...	-35.207	-11.512	-5	...	...
...	56.626	-33.362	1.00	47.1296	9·8	...	45.532	-8.219	-4	...	...	...	...	34.827	+28.749	-5	...	...
...	56.227	-3.466	-5	...	...	*	45.237	-7.395	1.00	47.1308	10·0	...	...	34.754	-48.530	-4	...	...
*	56.045	+40.491	2.00	46.1422	9·4	...	45.224	+49.398	-2	46.1436	10·4	...	...	34.676	+47.175	-5	...	...
...	56.032	-25.572	-5	...	...	†	45.090	+51.624	0·90	46.1437	10·4	...	...	34.641	-48.333	-5	...	...
+	-55.288	-5.176	-2	...	...	...	44.626	-46.324	0·85	47.1309	10·0	*	...	-34.531	+15.142	1·05	46.1455	9·8
+	55.189	-20.079	0·75	47.1298	10·4	...	44.507	+30.870	-5	...	...	...	...	34.462	+2.944	-5	...	...
*	54.863	+40.407	1·30	46.1423	9·6	*	44.274	-52.489	1.10	47.1311	9·8	...	...	34.191	-33.333	0·70	47.1317	10·4
...	54.155	-44.769	-4	...	...	...	44.171	+16.447	-3	...	...	...	...	34.190	-21.562	-3	...	...
*	54.104	+5.212	1·10	46.1424	9·8	...	44.095	+33.004	-3	...	...	...	...	34.146	+51.990	1·00	46.1456	9·8
31	...	...	...	...	...	91	...	...	...	...	...	...	...	...	...	...	...	...
...	-54.050	-54.446	-5	...	...	*	-43.897	-15.205	1·10	47.1312	9·8	...	...	-33.996	-9.428	-5	...	...
...	54.004	+40.352	-5	...	...	S *	43.450	-45.858	2·10	47.1313	8·6	...	...	33.865	+17.630	-5	...	...
...	53.934	+22.661	-2	...	...	...	43.369	-13.385	-5	...	...	...	...	33.778	-29.173	0·95	47.1318	10·2
...	53.456	-50.116	-5	...	...	...	43.201	+12.013	-4	...	...	...	...	33.499	+13.745	-4	...	...
*	53.436	+5.140	1.00	46.1425	10·0	...	43.125	+29.897	0·95	46.1438	9·8	*	...	33.025	-1.006	1·90	46.1457	9·4
...	53.389	-57.286	-4	...	...	*	-43.014	+43.364	1.20	46.1440	9·6	...	...	-32.653	-30.404	-2	...	...
...	52.947	+10.724	1.00	46.1426	10·0	*	42.992	+31.530	1·30	46.1439	9·4	...	...	32.456	-9.181	-3	...	...
...	52.794	-31.523	-4	...	...	...	41.907	+7.288	-1	46.1441	10·4	...	...	32.064	-50.547	-4	...	...
...	52.577	+7.953	1.00	46.1427	10·1	...	41.820	+12.378	-5	M	...	...	...	31.678	-43.348	0·95	47.1319	10·4
*	51.935	-23.717	1·05	47.1300	9·8	...	41.440	-20.492	-5	...	...	...	...	31.401	+54.427	1·00	46.1458	10·0
41	...	...	...	...	...	101	...	...	...	...	...	...	...	...	...	...	...	...
S *	-51.934	-31.858	1·95	47.1299	9·0	...	-41.409	+42.286	-4	...	...	...	...	-31.276	-24.113	0·95	47.1320	10·1
...	51.913	+17.232	0·75	46.1428	10·4	...	41.309	-50.572	-5	...	...	*	...	30.944	+25.339	1·00	46.1459	10·1
...	51.464	-15.974	1.00	47.1301	10·4	...	40.919	-57.283	-3	...	...	...	...	30.569	+33.928	0·95	46.1460	10·4
...	51.390	-50.119	-5	...	...	...	40.682	+38.234	-1	46.1442	10·4	*	...	30.516	-21.953	2·10	47.1321	8·9
...	51.359	+9.533	1.00	46.1429	10·1	...	40.389	-31.167	-5	...	...	...	...	30.300	-44.106	0·95	47.1322	10·2
...	51.355	+48.182	1·05	46.1430	10·0	...	-40.287	+28.449	0·90	46.1443	10·2	...	...	-30.264	-49.335	-1	47.1323	10·4
*	51.144	+37.418	1·40	46.1431	9·4	S *	39.968	+35.918	2·00	46.1444	8·9	+	...	30.076	+5.085	2·80	46.1461	8·6
...	50.954	-51.999	-4	...	...	*	39.902	-44.791	1·00	47.1314	9·8	...	...	29.905	+38.068	-2	46.1462	10·4
...	50.858	+9.274	-4	...	...	...	39.887	-13.178	-5	...	...	...	...	29.032	-31.209	-2	47.1324	10·4
...	50.836	+57.080	-2	45.1433	10·4	...	39.857	+40.193	0·95	46.1445	10·4	...	...	28.996	+5.336	0·80	46.1463	10·2
51	...	...	...	...	...	111	...	...	...	...	...	...	...	...	...	...	...	...
...	-50.661	-53.487	-4	...	...	...	-39.717	+13.609	-5	...	...	*	...	-28.830	+36.753	1·20	46.1464	9·8
*	50.361	+3.575	1·30	46.1432	9·6	...	39.649	+20.928	-5	...	...	...	...	28.521	+4.942	-2	46.1465	10·4
...	50.291	-14.332	0·85	47.1302	10·4	...	39.572	-18.105	0·70	47.1315	10·4	...	...	28.437	-16.500	-4	...	...
...	49.888	+28.872	-4	...	...	*	39.532	+36.447	2·00	46.1446	9·0	...	...	28.433	+1.435	-5	...	...
...	49.707	-1.933	-5	...	...	...	39.223	-33.996	-5	...	...	...	...	28.427	-39.846	-4	...	...
...	-49.459	-16.905	-4	...	...	...	-39.136	+22.764	1·00	46.1447	9·8	N *	...	-27.980	+56.941	3·00	46.1466	8·4
...	49.396	-26.801	-3	47.1303	10·4	*	39.011	+18.516	1·05	46.1448	9·8	*	...	27.735	-9.275	1·30	47.1325	9·4
...	49.352	+28.517	-4	...	...	...	38.358	+31.877	-4	...	...	...	...	27.048	-27.493	-4	...	...
...	49.275	+43.700	-3	...	...	...	38.322	+33.207	-2	46.1449	10·4	...	...	26.956	-22.004	0·85	47.1326	10·0
...	49.172	+42.536	-5	M	...	...	38.280	+10.700	-5	...	...	*	...	26.613	-21.950	1·00	47.1327	9·8

L measured from 1, 107, 2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
181-240																	
181	-26·407	-4·328	0·80	47·1329	10·1	241	-15·619	-15·618	1·15	47·1345	9·6	301	-1·952	+57·819	-1	45·1495	10·4
...	26·359	+43·241	-2	...	...	...	15·601	+55·097	-5	...	...	...	1·702	+49·451	-3	...	...
...	26·358	-27·849	0·90	47·1328	10·0	...	15·597	+24·564	1·05	46·1478	9·8	S*	1·667	-12·562	4·05	47·1360	7·8
...	25·990	-10·829	0·90	47·1330	10·0	...	14·929	-6·209	-2	...	...	...	1·460	+56·588	0·85	46·1494	10·0
...	25·609	-31·756	-5	...	...	...	14·856	+45·527	-1	...	...	*	1·424	-52·525	1·30	47·1361	9·4
...	-24·869	-25·394	-5	...	...	*	-14·614	-35·890	1·10	47·1346	9·8	...	-1·185	+46·282	-2	46·1495	10·0
...	24·192	+12·084	-5	...	...	...	14·471	+46·676	-5	...	...	*	1·060	+46·928	1·40	46·1496	9·6
...	23·921	-1·019	-5	...	...	...	14·228	-7·682	-3	...	...	†	1·054	+19·914	1·00	46·1497	9·8
...	23·891	+23·584	0·65	46·1467	10·4	*	14·177	-31·984	1·10	47·1347	9·8	m	0·865	+0·523	-3	46·1498	10·2
...	23·730	+18·421	-3	...	...	...	13·766	-14·813	0·95	47·1348	10·0	...	0·677	-51·796	-5	...	...
191	-23·681	-40·972	-2	...	...	251	-13·722	-17·517	-3	...	...	311	-0·547	+36·564	0·65	46·1499	10·4
*	23·613	+18·467	1·10	46·1468	9·6	...	13·482	+27·644	-3	...	...	...	0·348	-17·413	-1	47·1362	10·0
...	23·557	+59·064	-2	...	...	...	13·387	+35·434	-3	...	...	...	0·130	+30·579	-3	46·1500	10·4
...	23·506	+40·431	-2	...	...	...	13·207	-48·296	0·90	47·1349	10·2	+	0·315	-3·778	-4	...	...
...	22·809	-39·388	-4	47·1331	10·4	...	12·945	+22·892	-5	...	...	S*	0·915	+5·768	3·15	46·1501	8·4
...	-22·663	-32·577	-4	...	...	...	-12·872	-32·677	-5	...	...	+	1·154	+33·429	-2	...	...
...	22·508	-11·244	-3	...	...	...	12·632	+21·422	-2	46·1479	10·4	...	1·521	+50·666	-5	m	...
...	22·095	-35·370	0·70	47·1332	10·2	...	12·091	+22·322	1·00	46·1480	10·1	*	1·742	+34·139	1·10	46·1502	9·8
...	22·034	-40·482	-3	...	...	...	12·056	+49·616	-1	46·1481	10·4	...	2·282	+55·668	-4	...	...
...	22·022	+55·967	-4	...	...	...	11·397	-9·437	-5	...	...	...	2·431	-35·115	-3	...	...
201	* -21·976	-2·065	1·10	46·1469	9·5	...	11·306	+4·066	-3	46·1482	10·4	321	+3·182	+58·327	-5	m	...
...	21·943	-42·123	-3	...	...	...	11·305	-22·610	-4	...	...	+	3·229	-59·858	-5	...	...
...	21·887	-2·635	-2	46·1470	10·4	...	11·239	-29·416	1·00	47·1351	10·2	...	4·004	+25·813	0·80	46·1503	10·4
...	21·670	+1·148	-4	...	...	...	10·883	-15·480	-5	...	...	...	4·283	-31·059	-5	...	...
...	21·495	+9·467	-4	...	...	...	10·649	+35·585	-2	...	...	...	5·293	+8·369	-3	...	...
+	-21·222	+9·837	1·20	46·1471	9·8	...	-10·641	-53·123	1·00	47·1352	10·0	+	5·502	-8·435	-2	...	...
...	20·855	+2·839	-4	...	...	...	9·898	+48·283	-2	46·1483	10·4	...	5·839	-57·450	-5	...	...
*	20·669	-31·887	1·60	47·1334	9·3	...	9·753	+52·258	0·75	46·1484	10·4	*	6·045	+47·212	1·05	46·1504	10·0
...	20·645	+26·952	-2	...	...	...	9·455	-4·557	0·80	47·1353	10·0	...	6·154	+44·117	1·00	46·1505	10·4
...	20·495	-42·188	-4	...	...	...	9·261	-3·168	0·80	47·1354	10·0	*	6·986	-32·636	1·40	47·1363	9·2
211	* -20·436	-26·189	1·60	47·1335	9·4	...	9·204	+20·068	-2	...	...	331	+7·234	-18·071	-5	...	...
...	20·347	+30·501	0·90	46·1472	10·0	...	9·201	-23·660	-1	47·1355	10·2	...	7·308	+16·346	1·00	46·1507	10·0
...	20·048	+32·605	-4	...	...	...	8·986	+17·829	-2	...	...	...	7·383	+27·727	-1	46·1506	10·2
...	20·022	-39·519	-5	...	...	...	8·941	+53·306	0·90	46·1485	10·0	...	7·416	-14·536	0·95	47·1364	10·4
...	19·845	+28·274	-4	...	...	...	8·565	-20·478	-5	...	...	...	7·682	-30·193	0·70	47·1365	10·4
...	-19·677	+40·155	-5	...	...	...	8·314	+56·707	-3	...	...	+	7·969	+25·641	-3	...	...
...	19·642	-29·333	1·00	47·1336	10·0	...	8·299	+43·765	-5	...	...	*	8·174	+10·630	1·15	46·1508	9·8
...	19·471	-1·047	0·95	46·1473	10·0	...	8·162	-5·478	-3	47·1356	10·4	...	8·303	-5·844	0·85	47·1366	10·4
...	19·319	-41·213	-3	...	...	S*	8·097	+55·837	2·15	46·1486	8·6	...	8·508	+31·326	-4	...	...
...	19·242	-9·880	1·05	47·1337	9·8	...	8·040	-58·362	-4	...	...	...	8·533	-25·140	1·00	47·1367	10·1
221	-19·239	-34·207	-5	...	...	281	-7·875	+22·936	0·80	46·1487	10·1	341	+8·875	+18·512	-4	...	...
*	19·159	-3·829	1·25	47·1338	9·8	...	7·592	-27·190	-5	...	...	+	9·267	-27·658	-5	...	...
*	18·650	-40·978	1·50	47·1340	9·3	...	7·171	+23·397	-5	m	...	*	9·276	+41·699	1·10	46·1510	9·8
...	18·483	-56·003	1·00	47·1339	10·2	...	6·860	-11·332	-3	...	...	*	9·293	+48·726	2·00	46·1509	9·2
...	18·427	-29·148	-5	...	...	...	6·822	-37·384	-4	...	...	...	9·297	-8·630	-5	...	...
*	-18·170	+30·873	1·15	46·1474	9·8	...	5·164	+51·663	-3	...	...	+	9·622	+36·703	-2	...	...
...	17·915	-39·431	-4	...	...	...	5·115	+43·293	0·90	46·1488	10·0	...	10·158	+45·233	-3	...	...
...	17·825	-54·481	-5	...	...	S†	5·084	-34·755	3·30	47·1357	8·1	...	10·326	+26·212	0·85	46·1511	10·4
...	17·724	+17·714	-4	...	...	...	4·947	-0·704	0·80	46·1489	10·1	...	10·422	-23·235	-3	...	...
*	17·496	-34·418	3·00	47·1341	8·2	...	4·883	-23·169	-1	47·1358	10·2	...	10·611	-56·268	0·80	47·1368	10·0
231	-17·434	-38·218	-3	...	...	291	-4·827	-44·734	-5	...	...	351	+10·831	+37·135	-4	m	...
*	17·422	-43·386	1·80	47·1342	9·2	*	4·374	+25·141	1·00	46·1490	9·8	...	11·087	+57·326	0·90	45·1517	10·0
*	17·267	+26·494	1·05	46·1475	9·8	...	4·257	-26·523	-4	...	...	*	11·781	-12·759	1·30	47·1369	9·4
*	17·142	-58·019	2·90	47·1343	8·6	*	3·401	-16·189	1·50	47·1359	9·5	...	11·964	+31·610	-1	46·1512	10·4
†	16·921	+34·733	0·95	46·1476	10·4	*	3·245	+6·493	3·00	46·1492	8·1	...	12·376	+50·830	-3	...	...
*	-16·557	-0·600	1·00	46·1477	10·0	...	3·090	+43·367	-2	46·1491	10·4	...	+12·458	+58·043	-5	...	...
...	16·405	-41·951	0·90	47·1344	10·4	*	2·819	+52·135	1·40	46·1493	9·5	...	12·695	+41·665	-3	...	...
...	16·341	+56·043	-5	...	...	...	2·797	-15·882	-4	...	...	*	12·818	-0·403	1·70	46·1513	9·3
...	16·107	+59·592	-5	...	...	...	2·449	+54·114	-4	...	...	...	12·949	+42·220	-4	...	...
...	15·684	+4·989	-5	...	...	...	2·037	-21·204	-4	...	...	...	13·006	-14·430	-3	47·1371	10·4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
361-420																	
361	+13·207	-11·215	0·95	47·1370	9·8	421	+27·556	+14·907	-2	46·1531	10·4	481	+41·466	-26·646	-3	0	...
...	13·680	-1·238	-5	...	...	*	28·214	+32·823	1·15	46·1532	9·8	...	41·494	+39·261	0·95	46·1543	10·4
...	13·962	-14·084	0·75	47·1372	10·0	...	28·279	-7·147	0·85	47·1385	10·1	*	41·657	+43·685	1·05	46·1544	9·8
...	13·964	+44·194	-5	...	...	...	28·350	-27·920	-5	...	...	...	42·075	+40·308	-5	m	...
...	14·122	+40·818	-4	...	...	...	28·395	-44·561	-3	...	...	*	42·132	+13·219	1·00	46·1546	9·8
...	+14·620	+40·997	-5	m	...	...	+30·086	-58·318	-3	...	...	...	+42·166	+59·094	1·05	45·1555	9·8
...	15·039	+29·744	-5	m	...	...	30·145	+39·012	-5	m	...	...	42·206	+9·323	-2	a	...
...	15·069	+55·753	-4	...	...	...	30·678	-46·659	-5	...	...	...	42·209	-31·519	-3	...	...
*	15·369	-10·646	1·60	47·1373	9·2	...	31·130	+46·922	-1	46·1533	10·4	...	42·240	+30·057	1·00	46·1545	10·0
*	15·493	+46·435	1·00	46·1514	10·0	...	31·435	-40·553	-4	...	...	...	42·816	+1·262	-5	...	...
371	*+16·300	+25·231	1·60	46·1515	9·3	431	+31·659	+35·333	-3	a	...	...	*+42·914	+47·792	-3	...	...
...	16·302	+10·944	-4	...	...	...	31·740	-42·381	-4	...	...	S*	43·139	+16·023	3·00	46·1548	8·2
...	16·750	-8·489	-3	...	...	...	31·904	-3·350	-4	...	...	...	43·339	+47·028	1·00	46·1547	10·4
...	16·879	-7·600	-2	47·1374	10·2	...	31·928	-43·823	-1	47·1386	10·4	...	43·381	-13·786	1·00	47·1398	10·2
*	17·009	+41·108	2·00	46·1516	9·0	...	31·948	+33·076	-5	m	...	...	43·451	+53·449	-5	m	...
...	+17·130	+41·550	-4	...	...	...	+32·367	+28·482	-5	m	...	...	+43·612	+28·782	-3	...	...
...	17·198	+48·486	-5	...	...	...	32·525	-48·675	-5	...	...	...	43·891	-2·931	-4	...	...
...	17·367	+55·969	-4	...	...	...	32·591	-40·162	-2	...	...	...	44·385	+1·836	-2	...	...
...	18·359	-31·612	-4	...	...	...	32·781	+30·215	-1	46·1534	10·4	*	44·410	-32·394	1·00	47·1399	9·8
...	18·368	+46·223	-5	m	...	*	33·232	+5·282	1·20	46·1535	9·6	...	44·471	+48·599	-4	...	...
381	+18·652	+9·075	-5	m	...	...	+33·301	+45·543	-4	...	...	501	*+44·517	+6·873	1·00	46·1549	10·0
S*	18·752	+31·109	4·05	46·1517	7·7	...	33·714	+50·762	-3	...	...	...	44·650	-28·032	-5	...	...
*	18·972	-49·689	1·60	47·1375	9·2	...	33·771	-10·695	-4	...	...	...	44·744	-37·555	-5	...	...
...	19·006	+48·842	0·65	46·1518	10·1	...	33·867	+54·981	-4	m	...	...	44·996	-35·736	-5	...	...
†	19·773	+32·807	0·90	46·1519	10·4	...	33·977	-33·241	-3	...	...	...	45·349	+2·051	-3	c	...
...	+20·139	+55·674	-4	...	...	...	+34·772	+52·807	-1	46·1536	10·4	...	+45·479	-19·657	-5	...	...
...	20·239	-47·477	-4	...	...	*	35·065	+57·606	1·20	45·1547	9·8	...	45·598	-43·089	-5	...	...
...	20·291	-56·056	-3	...	...	...	35·419	+22·606	-3	...	...	...	45·847	-33·236	-1	47·1400	10·2
*	20·329	-7·263	1·50	47·1376	9·4	*	35·507	-54·696	1·00	47·1388	9·3	...	45·905	-32·409	-1	47·1401	10·4
...	20·575	+39·294	-4	m	...	...	35·667	-40·027	-5	...	...	...	46·039	+32·248	-5	m	...
391	*+20·576	-25·822	1·00	47·1377	9·8	451	+36·419	+14·789	1·20	46·1537	9·6	511	*+46·155	+34·699	1·10	46·1550	10·0
*	20·672	-38·973	1·05	47·1378	9·8	...	36·468	-19·661	-4	...	...	...	46·236	+8·504	0·90	46·1551	10·0
*	20·734	+36·557	1·05	46·1520	10·0	...	36·581	-57·355	-4	...	...	...	46·342	+36·681	-2	...	...
...	20·878	+23·189	-3	...	...	*	36·676	-54·290	1·20	47·1389	9·6	...	46·370	+2·350	-5	m	...
...	20·963	-55·269	-5	...	...	...	36·680	+13·743	-3	46·1538	10·4	...	46·651	+57·695	-5	m	...
...	+21·881	-46·362	-3	...	...	...	+36·934	+47·996	-4	...	...	...	+46·729	-59·306	-4	...	...
*	22·582	-11·155	1·00	47·1379	10·0	...	37·465	-9·342	-4	47·1390	10·4	...	47·041	-37·587	-5	...	...
...	22·682	-25·235	1·00	47·1380	10·0	*	37·561	-40·081	1·00	47·1391	9·8	...	47·081	+29·359	-5	m	...
*	22·931	+31·501	2·00	46·1522	9·0	...	38·158	-35·324	-3	...	...	...	47·415	-8·770	0·80	47·1402	10·4
*	23·013	+38·349	0·90	46·1521	10·2	...	38·291	+48·157	-5	m	...	*	47·443	+7·219	1·00	46·1552	10·0
401	*+23·217	-39·371	1·20	47·1381	9·3	461	+38·310	+40·585	1·00	46·1539	10·0	521	+47·463	-23·299	-5	...	...
*	23·254	+31·077	1·00	46·1523	10·0	...	38·417	-50·856	-5	...	...	...	47·704	+23·604	1·00	46·1553	10·2
...	23·421	+6·221	0·70	...	...	...	38·479	-32·370	-4	...	...	*	48·356	-5·212	1·80	47·1403	9·4
...	23·563	+14·977	1·00	46·1524	10·1	...	38·557	+28·348	-5	m	...	...	48·416	+9·389	0·70	46·1555	10·4
...	23·636	+13·989	0·80	46·1525	10·4	...	38·628	-50·040	0·95	47·1392	10·0	...	48·643	+39·425	1·00	46·1554	10·0
...	+23·992	+51·639	-5	m	...	...	+38·817	-19·816	-5	...	...	...	+48·669	+30·113	-5	...	...
...	24·171	+34·160	-4	...	...	...	38·817	-57·756	0·80	47·1394	10·0	...	48·686	+14·795	-2	...	...
...	24·282	-56·100	-3	...	...	...	39·148	+12·544	0·80	46·1540	10·0	...	48·704	-45·533	-4	...	...
...	24·353	+55·847	-4	...	...	...	39·289	-47·566	-2	47·1396	10·4	...	48·711	-49·034	-4	...	...
+	24·758	-36·967	1·00	47·1382	10·0	...	39·482	+30·868	-4	m	...	...	48·758	+42·747	-5	...	...
411	*+24·849	+51·105	1·00	46·1526	10·0	471	+39·510	-18·173	0·80	47·1393	10·0	...	+49·042	+6·73	-5	m	...
...	24·936	+49·589	0·90	46·1527	10·4	*	39·798	-10·561	1·00	47·1395	10·0	...	49·050	+10·202	-5	m	...
...	25·096	-43·437	-4	...	...	...	40·142	+46·088	-1	46·1541	10·4	*	49·570	+22·655	1·00	46·1556	10·2
...	25·285	-29·021	-2	...	...	...	40·218	-29·336	-3	...	...	...	49·738	+28·282	-5	m	...
†	25·948	-50·023	-4	...	...	...	40·578	-47·096	-1	47·1397	10·4	...	49·866	+54·156	-3	...	...
...	+26·021	+45·354	0·95	46·1528	10·2	*	+40·618	+28·616	1·35	46·1542	9·5	...	+50·374	+59·207	0·90	45·1567	10·0
S*	26·026	-16·093	2·10	47·1383	8·8	...	40·813	+29·222	-5	m	...	*	50·449	-51·774	1·00	47·1405	9·8
...	26·606	+25·900	-2	46·1530	10·4	*	40·938	-20·001	-4	...	...	...	51·219	-7·612	0·65	47·1404	10·4
*	26·726	+44·743	1·25	46·1529	9·5	...	41·045	+58·172	-5	m	...	...	51·239	+23·192	-4	m	...
*	27·360	-24·587	1·00	47·1384	10·0	...	41·245	+52·120	-5	m	...	...	51·527	-31·329	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
541-560															561-577		
541	+52.007	-38.905	-5	o	...	561	+56.882	+9.882	0.90	46.1564	10.1	...	+56.882	+9.882	0.90	46.1564	10.1
...	52.064	-32.154	-4	...	...	...	57.467	-33.570	0.65	47.1410	10.4	...	57.467	-33.570	0.65	47.1410	10.4
*	52.563	+34.179	1.40	46.1557	9.6	...	57.663	+57.500	-4	...	...	...	57.663	+57.500	-4	...	...
...	52.645	+37.746	-4	...	...	...	57.685	-28.738	-3	...	...	...	57.685	-28.738	-3	...	...
...	52.930	+46.141	-1	46.1558	10.4	*	57.719	+26.001	2.10	46.1565	8.9	...	57.719	+26.001	2.10	46.1565	8.9
...	+53.003	-23.735	-5	...	...	...	+57.750	-4.643	0.80	47.1409	10.0	...	+57.750	-4.643	0.80	47.1409	10.0
...	53.332	-10.682	-2	47.1406	10.4	...	57.848	+59.120	-1	45.1578	10.1	...	57.848	+59.120	-1	45.1578	10.1
...	53.362	+3.059	-1	...	...	...	57.872	+27.157	-3	...	...	...	57.872	+27.157	-3	...	...
*	53.817	+24.082	1.00	46.1559	10.0	...	57.966	-28.407	-4	...	...	...	57.966	-28.407	-4	...	...
...	53.961	+56.666	0.90	45.1571	10.0	...	58.276	+45.855	-1	46.1566	10.2	...	58.276	+45.855	-1	46.1566	10.2
551	+54.191	-1.080	-2	46.1560	10.4	*	58.321	-45.749	2.20	47.1413	9.0	...	58.321	-45.749	2.20	47.1413	9.0
...	54.449	-30.125	-5	...	...	...	58.354	-37.617	-4	...	...	...	58.354	-37.617	-4	...	...
†	54.735	-32.462	1.00	47.1407	9.8	...	58.813	+31.741	-3	...	...	...	58.813	+31.741	-3	...	...
S *	55.039	-35.693	1.90	47.1408	9.1	...	58.816	+25.030	-3	...	...	...	58.816	+25.030	-3	...	...
...	56.000	+41.437	-2	...	...	...	58.829	-9.716	-1	47.1412	10.4	...	58.829	-9.716	-1	47.1412	10.4
*	+56.023	+44.227	2.00	46.1561	9.4	...	+59.241	+19.964	-5	m	...	...	+59.241	+19.964	-5	m	...
...	56.224	-1.918	-4	...	...	†	59.584	-18.475	-5	...	...	...	59.584	-18.475	-5	...	...
...	56.609	+34.622	0.85	46.1563	10.1	...	...	...	...	...	...	...	...	...	...	...
...	56.705	+2.281	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
*	56.758	+46.768	1.40	46.1562	9.8	...	...	...	...	...	...	...	...	...	...	...

1-30					31-60					61-90							
I	-59.676	+15.762	3.00	46.1548	8.2	31	-46.135	-35.552	2.00	47.1408	9.1	61	-36.764	+41.343	1.00	46.1579	9.8
S †	58.506	-14.030	-4	47.1398	10.2	S *	45.760	+10.081	-1	46.1564	10.1	...	36.403	+28.365	-5	46.1580	10.4
...	58.021	+6.674	-1	46.1549	10.0	...	45.516	+46.067	-5	46.1566	10.2	*	36.224	+40.988	1.25	46.1581	9.4
...	57.289	+34.525	-1	46.1550	10.0	*	45.438	+26.200	2.00	46.1565	8.9	...	36.000	+22.941	-5	46.1582	10.4
...	56.882	-32.593	-1	47.1399	9.8	...	44.429	-4.417	-2	47.1409	10.0	...	35.902	+24.043	-5	...	...
...	-56.367	+8.344	-3	46.1551	10.0	...	-43.791	-33.352	-5	47.1410	10.4	...	-35.409	-24.196	-4	47.1422	10.0
...	55.413	-33.391	-3	47.1400	10.2	...	43.255	+24.747	-5	46.1567	10.4	...	35.082	+57.853	-3	45.1591	10.0
...	55.379	+23.490	-3	46.1553	10.2	...	43.190	-9.458	-4	47.1412	10.4	†	34.744	+33.320	1.00	46.1583	9.5
...	55.375	-32.566	-5	47.1401	10.4	...	42.786	+52.924	-2	46.1568	10.1	...	34.205	+8.625	-2	46.1584	10.4
...	55.112	+7.107	-1	46.1552	10.0	*	42.538	-45.493	2.00	47.1413	9.0	*	33.746	+7.540	1.40	46.1585	9.3
II	-54.945	+39.328	-4	46.1554	10.0	*	-42.019	+28.568	3.00	46.1569	8.4	71	-33.332	+48.981	-4	46.1586	10.1
R †	54.633	-8.877	-4	47.1402	10.4	...	41.225	+32.125	-5	46.1570	10.4	...	33.004	-11.069	0.90	47.1424	10.0
...	54.199	+9.303	-5	46.1555	10.4	...	40.899	-22.521	-5	47.1414	10.4	*	32.882	-37.796	1.00	47.1423	9.6
R	53.848	+59.166	-3	45.1567	10.0	...	40.117	+38.223	-1	46.1571	10.0	...	32.811	-13.027	0.85	47.1425	10.4
*	53.796	-5.299	1.50	47.1403	9.4	...	40.112	+31.870	-2	46.1572	10.1	...	32.685	+10.230	-5	...	...
...	-53.471	+22.597	-4	46.1556	10.2	...	-39.791	+34.262	3.00	46.1573	8.4	...	-32.424	-43.167	-5	...	...
...	50.879	+46.190	-5	46.1558	10.4	...	39.732	+36.903	1.00	46.1574	9.8	...	32.004	+15.758	0.70	46.1587	10.4
*	50.874	+34.204	1.15	46.1557	9.6	S *	39.339	+4.465	2.75	46.1575	8.4	...	31.940	-19.139	-5	47.1426	10.4
...	50.864	-7.598	-5	47.1404	10.4	...	39.034	-17.374	0.90	47.1416	9.8	...	31.650	+55.313	-4	46.1588	10.1
...	50.214	-51.779	-2	47.1405	9.8	...	38.991	-25.183	0.80	47.1415	10.0	R	31.485	+44.600	-5	46.1589	10.4
21	-50.190	+56.749	-2	45.1571	10.0	51	-38.983	-35.037	-5	...	...	81	-31.265	-58.472	-1	47.1427	10.0
*	49.288	+24.162	1.00	46.1559	10.0	...	38.784	-26.874	-4	...	...	*	30.948	-7.166	1.00	47.1428	9.8
...	49.070	+3.128	-5	...	...	...	38.658	-14.520	-3	47.1417	10.4	...	30.731	+46.188	-5	46.1590	10.4
...	48.653	-10.598	-5	47.1406	10.4	...	38.320	-33.625	-4	47.1418	10.4	*	30.155	-44.991	1.00	47.1429	9.6
...	48.094	-0.982	-5	46.1560	10.4	...	37.803	-38.327	-5	47.1419	10.4	...	30.063	+41.102	-1	46.1591	10.0
*	-47.706	+44.352	2.00	46.1561	9.4	...	-37.776	-24.247	-4	47.1420	10.2	+	-29.829	-0.670	1.00	46.1592	9.8
*	47.074	+46.942	1.00	46.1562	9.8	*	37.621	+42.589	1.20	46.1576	9.6	R †	29.777	+4.012	-2	46.1593	10.1
...	46.830	+34.782	-5	46.1563	10.1	...	37.547	-30.802	-4	47.1421	10.2	R	29.534	+58.970	-5	...	...
...	46.556	-32.335	0.90	47.1407	9.8	*	37.435	+27.376	2.00	46.1577	8.6	†	29.457	+49.866	-1	46.1594	10.0
...	46.369	+59.313	-5	45.1578	10.1	...	37.220	+6.325	-2	46.1578	10.4	*	29.287	-23.692	1.05	47.1430	9.8

$\frac{1}{10} \cdot 8 = D, -5$.

L measured from 1, 191.

C " " 89, 293.

Stars marked R in column 1 were measured by MC in course of the revision.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		§.	No.	Mag.	x.	y.		§.	No.	Mag.	x.	y.	§.	No.	Mag.			
91-150																				
91	-28·983	+52·820	-1	46.1595	10·2		151	-12·334	+48·890	-5	46.1627	10·0		211	+	9·393	+57·846	-5	°	
...	28·668	-31·254	1·30	47.1431	9·4			12·323	+54·109	-1	46.1628	9·8			...	9·434	-30·189	-4	47.1476	10·4
R	28·217	+55·930	-5	46.1596	10·4			11·290	-32·407	-5	...	...		Rf	9·594	+0·138	-4	46.1651	10·4
R	27·963	-55·606	-5	47.1432	10·4			10·883	+54·793	1·20	46.1629	9·4			9·812	+50·693	1·40	46.1650	9·2	
S*	27·867	+38·503	3·00	46.1597	7·9			10·673	+31·679	-5	...	...			10·278	-44·803	2·00	47.1477	8·6
...	-27·853	+20·991	-5	...	...			-10·380	-44·355	-1	47.1450	10·4			10·577	-53·632	-5	...	...
...	27·441	-1·958	-2	46.1598	10·4		R	10·191	+52·220	-5	46.1630	10·4			10·990	-52·671	-5	...	...
...	27·435	-1·291	-5	...	...			10·030	+5·838	2·80	46.1631	8·6			11·083	+3·301	1·00	46.1652	9·8
...	27·067	+24·021	-5	...	...			9·543	+50·549	-5	...	...			11·315	-13·906	-5	...	...
...	26·290	-22·989	-1	47.1433	10·1			8·708	+11·260	-3	46.1632	10·2			11·550	-32·404	1·20	47.1479	9·2	
101							161								221					
...	-25·714	-29·773	0·90	47.1434	9·8			-8·686	+19·980	-5	...	...			+11·604	-14·860	-3	47.1478	10·2
...	25·306	+28·520	-2	46.1599	10·0		R	8·313	+21·087	-3	...	...			11·635	+3·235	-5	...	...
...	25·058	-11·143	-1	47.1435	10·0			8·243	-23·381	-1	47.1451	10·0			12·027	+16·369	1·00	46.1653	9·6	
...	25·009	-3·264	-2	46.1600	10·4			8·225	-15·904	-5	47.1452	10·4			12·359	+44·269	0·85	46.1654	10·0	
R†	24·948	+42·565	-3	46.1601	10·4			8·192	-9·119	-5	...	...			12·620	-9·492	1·00	47.1480	9·8
R	-24·839	+53·312	-4	46.1603	10·4			-8·165	+10·735	-2	46.1633	10·2			+12·929	+42·197	0·85	46.1655	10·0	
R	24·771	+40·771	-3	46.1602	10·4	*		7·356	-41·860	1·05	47.1453	9·8	S*		13·053	+56·349	2·00	46.1656	9·2	
...	24·552	-21·003	-5	47.1436	10·4		R	7·341	-41·481	-4	47.1454	10·4			14·031	+5·146	-5	46.1657	10·4	
...	24·343	+32·459	0·75	46.1604	10·0			6·584	-38·387	-5	47.1455	10·4			14·559	+34·717	-5	46.1658	10·4	
...	24·106	-6·447	1·00	47.1437	10·0			6·093	-40·331	-5	47.1456	10·4			14·604	-12·384	-4	...	...
III							171								231					
...	-24·009	-22·434	-5	...	...			-6·078	+21·646	-1	46.1634	10·0	*		+14·639	+30·282	2·00	46.1659	8·6
...	23·896	-58·825	-5	...	...			5·611	-16·285	-5	47.1457	10·0			14·795	-8·031	-4	47.1481	10·4
...	23·886	+5·955	0·65	46.1605	10·2			5·359	+21·708	0·65	46.1635	10·0			15·133	+37·976	-2	46.1660	10·4	
...	23·879	+2·110	-1	46.1606	10·0			4·769	+42·088	-4	46.1636	10·2	R		15·961	+44·520	-5	...	...
...	23·570	-44·288	0·80	47.1438	10·0			4·622	-55·502	-5	...	...			16·004	-1·986	0·75	46.1661	10·0
...	-22·522	+40·225	0·85	46.1607	10·0			-4·465	-38·521	0·80	47.1458	9·8	R		+16·288	+38·048	-3	46.1662	10·4	
N	22·301	-23·814	-5	47.1439	10·4	*		3·899	+55·004	1·15	46.1637	9·6	S*		16·361	-19·078	3·00	47.1482	7·9	
21·801	+41·020	-5	M	...	...			3·642	-35·431	-5	...	...			16·383	-55·339	-1	47.1484	9·8
...	20·999	+3·954	3·00	46.1608	8·1			3·311	+51·661	-1	46.1638	10·0			16·796	-7·754	0·70	47.1483	10·2	
...	20·143	+51·579	1·20	46.1609	9·8	*		2·929	-23·839	1·30	47.1459	9·3	R		17·257	-38·556	-5	47.1485	10·4	
121							181								241					
R	-19·247	-1·551	-2	46.1610	10·4	*		2·650	-23·590	1·00	47.1460	9·8			+17·349	-59·732	-3	47.1486	10·0	
...	19·086	-3·633	-2	47.1442	10·4	Ff		1·348	+0·363	-3	46.1641	10·4			18·029	-17·871	1·15	47.1487	9·3	
...	19·067	-27·571	0·75	47.1441	9·8			1·269	+42·124	0·70	46.1639	10·0			18·114	-5·314	2·00	47.1488	9·2	
...	19·041	+19·232	-5	46.1611	10·4	R		1·237	+43·597	-5	46.1640	10·4	S*		18·423	+10·388	3·00	46.1663	8·1	
...	18·973	-38·327	-4	47.1443	10·4	*		0·935	-40·145	1·20	47.1462	9·8	R		18·986	-43·316	-4	47.1489	10·4	
...	-17·660	-34·004	-5	...	...	*		0·619	-53·384	1·30	47.1464	9·8			+19·052	+22·905	0·90	46.1664	9·8
...	17·003	+43·332	-5	...	...	*		0·603	-48·164	1·30	47.1463	9·8			19·148	-3·211	-5	...	...
...	16·925	+17·968	0·75	46.1613	9·8			0·422	-30·211	-3	47.1465	10·2			19·329	+39·473	-1	46.1675	10·0	
*	16·917	+9·204	1·20	46.1612	9·8			-0·151	-20·740	-5	47.1466	10·4			19·907	-26·718	1·30	47.1490	9·2	
...	16·690	-50·445	0·95	47.1444	10·0	R†		+0·044	+51·806	-5	46.1642	10·4	R†		20·103	-17·112	-3	47.1491	10·4	
131							191								251					
S*	-16·409	+36·725	-4	...	...			+0·243	+43·439	3	46.1643	10·4			+20·676	-43·371	-2	47.1492	10·4
15·764	-1·146	3·05	46.1614	7·9				1·269	+7·534	-4	46.1644	10·2	*		20·895	-39·125	1·20	47.1493	9·4	
†	15·546	+29·992	0·70	46.1615	9·8			1·712	-34·889	0·80	47.1467	10·0			20·898	-53·658	1·00	47.1494	10·0	
...	15·285	+56·812	-2	46.1616	10·0	*		1·753	-49·321	1·00	47.1468	9·8			20·943	+32·302	-3	46.1666	10·0	
R†	14·817	+24·996	-3	46.1617	10·4			2·078	-57·195	-5	...	...	R		21·386	+58·809	-5	45·1683	10·4
R	-14·574	+29·491	-1	46.1618	10·1			+2·291	-56·241	-5	...	...			+21·929	-51·254	1·00	47.1495	10·0
...	14·350	-12·624	-5	...	...			3·133	+23·283	-3	46.1645	10·4			22·046	+57·690	-1	45·1687	9·8
...	14·303	+22·458	-2	46.1619	10·2	R		4·995	+44·387	-5	...	...			22·142	-36·039	-4	47.1495	10·4
...	14·269	-1·881	-4	46.1620	10·4	*		5·343	-28·396	2·00	47.1469	8·5			22·143	-44·073	-5	...	...
...	14·261	-31·074	0·70	47.1445	10·1	S*		5·522	-28·982	2·90	47.1470	8·2			22·187	+36·358	-1	46·1667	10·0	
141							201								261					
...	-14·165	-8·538	-5	47.1446	10·4			+6·236	+40·530	1·00	46.1646	10·0			+22·805	+37·916	-5	46·1668	10·4	
*	14·147	+38·720	1·40	46.1621	9·1			6·280	+44·255	-5	46.1647	10·4	R		22·825	+41·787	-5	...	...
...	14·122	-37·997	-5	...	...			6·397	-5·919	-5	...	...			22·845	+19·275	0·70	46·1670	10·0
*	14·043	+53·123	1·40	46.1622	9·2			6·855	-10·914	-5	47.1471	10·4			22·953	+44·235	-1	46·1669	9·8	
...	13·803	+31·359	-3	46.1623	10·1	*		7·015	+42·512	1·10	46.1648	9·6			23·148	+23·483	-5	...	...
...	-13·256</																			

Notes.	Co-ordinates.		Diam. §	C.P.D.		Notes.	Co-ordinates.		Diam. §	C.P.D.		Notes.	Co-ordinates.		Diam. §	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-310																	
271	+24·126	+ 9·365	0·75	46.1674	10·1	311	+34·185	-33·363	- 1	47.1509	10·4	351	+50·526	- 4·842	- 3	...	...
...	24·264	-15·771	0·90	47.1499	10·0	...	34·483	-45·413	- 5	...	...	...	51·036	+17·360	- 4	...	...
...	24·278	-23·613	- 4	...	...	R	34·604	-19·923	- 5	...	...	...	51·313	+26·042	0·75	46.1706	10·4
...	25·586	+50·317	- 5	46.1675	10·4	R†	34·974	+21·445	- 4	46.1696	10·4	*	51·552	-37·061	1·20	47.1518	9·7
...	25·744	+33·218	- 4	46.1677	10·4	R	35·189	+35·095	- 4	...	...	...	52·226	+13·127	- 5	...	...
...	+25·806	+33·949	- 4	46.1676	10·4	...	+35·231	- 5·302	- 5	...	...	...	+52·278	-37·611	- 5	...	...
...	26·704	+27·447	- 5	...	...	...	35·804	-40·193	- 5	...	...	...	53·253	+57·568	- 5	45.1719	10·4
R	26·763	-57·690	- 4	47.1500	10·4	...	36·109	+33·131	- 5	46.1697	10·4	†	53·390	+39·962	- 3	46.1708	10·4
...	27·021	+56·825	0·80	45.1695	10·0	...	36·116	-24·956	- 4	...	...	...	53·410	+40·403	- 3	46.1707	10·4
...	27·058	+ 8·728	- 2	46.1679	10·1	R	36·647	-59·237	- 5	...	...	...	54·016	- 5·650	0·90	47.1519	10·2
281	+27·217	+26·915	- 5	46.1678	10·4	321	+36·766	+34·810	- 5	...	...	...	+54·453	-27·639	- 3	47.1520	10·4
R	27·939	+56·609	- 4	46.1680	10·4	...	36·976	-40·455	- 1	47.1510	10·4	...	54·469	+31·571	0·90	46.1709	10·0
...	28·172	-27·279	0·80	47.1501	10·1	*	37·160	+56·939	1·50	45.1708	9·6	*	54·794	-41·757	1·40	47.1521	9·7
...	28·200	- 2·297	- 5	...	...	...	38·579	+30·717	- 3	...	...	...	55·067	-29·634	- 5	47.1522	10·4
R	28·913	-13·513	0·80	47.1502	10·0	*	38·637	+2·988	1·15	46.1698	9·9	S*	55·508	-51·786	1·70	47.1523	9·4
...	+28·990	+49·993	- 4	46.1682	10·4	...	+39·587	-59·245	0·95	47.1511	10·0	S*	+55·586	+11·071	3·10	46.1711	7·9
...	29·133	+35·580	- 5	46.1683	10·4	*	39·720	+19·325	2·70	46.1699	8·5	R	55·601	+38·089	- 5	...	...
*	29·255	-18·356	1·00	47.1503	9·8	†	40·115	+30·076	- 5	...	...	...	55·694	+36·109	- 5	...	...
...	29·262	-23·305	- 5	...	...	R	40·131	+40·370	- 4	...	...	*	55·869	+50·642	2·00	46.1710	9·4
...	29·348	+29·103	1·00	46.1684	10·0	†	40·165	-44·354	1·20	47.1512	9·7	*	56·522	-57·908	1·40	47.1524	9·3
291	+29·846	- 0·754	- 5	46.1687	10·4	331	+40·280	+17·458	0·70	46.1700	10·4	371	+56·565	- 3·362	- 2	...	...
*	29·868	+42·794	1·00	46.1685	9·6	...	40·675	+28·765	- 5	...	...	...	56·818	-58·789	- 5	47.1526	10·4
†	30·096	+40·115	- 5	46.1686	10·2	...	40·694	+36·492	- 3	46.1701	10·4	f	56·960	- 0·085	- 2	46.1712	10·4
R	30·354	+19·502	- 4	...	...	...	41·826	+28·831	- 5	...	...	...	58·485	- 7·078	- 5	...	...
R	30·443	-48·473	- 4	47.1504	10·4	R	42·621	+58·348	- 5	...	...	...	59·378	- 6·399	- 5	...	...
...	+30·517	+15·901	0·90	46.1688	9·8	S*	+42·710	+34·445	2·55	46.1702	8·4	...	+59·870	-41·906	0·80	47.1527	10·2
...	30·928	+ 0·903	- 4	46.1690	10·4	†	43·598	+44·986	- 5	46.1703	10·4	...	...	...	...	...	...
...	31·415	+52·548	- 5	46.1689	10·4	...	43·679	- 5·853	- 5	...	...	...	...	...	...	...	...
*	31·554	-35·962	3·60	47.1505	7·6	...	44·192	-49·449	- 5	...	...	...	...	...	...	...	...
...	31·840	+17·965	0·80	46.1691	10·0	...	44·487	-32·517	- 1	47.1513	10·4	...	...	...	...	...	...
301	+31·956	+ 5·691	0·75	46.1692	10·0	341	+44·894	+20·707	- 3	...	...	...	...	...	...	...	...
R	32·271	+24·153	- 5	...	...	†	45·047	+43·912	- 5	46.1704	10·4	...	...	...	...	...	...
*	32·579	-34·475	1·05	47.1506	10·2	...	45·484	-31·530	- 1	47.1514	10·4	...	...	...	...	...	...
*	32·657	+39·363	1·05	46.1693	9·8	...	45·718	- 6·965	- 5	...	...	...	...	...	...	...	...
...	33·059	- 8·804	0·80	47.1507	10·2	...	45·801	- 2·548	- 4	...	...	...	...	...	...	...	...
...	+33·243	+30·936	- 4	...	...	...	+47·466	-45·794	- 4	...	...	...	...	...	...	...	...
...	33·271	+23·259	0·90	46.1694	10·4	...	47·717	-23·685	- 5	...	...	...	...	...	...	...	...
...	33·917	+48·014	- 4	46.1695	10·4	*	48·487	+19·653	2·00	46.1705	9·0	...	...	...	...	...	...
...	34·039	+50·886	- 5	...	...	*	49·752	-37·371	1·40	47.1516	9·6	...	...	...	...	...	...
...	34·136	- 4·773	- 1	47.1508	10·4	...	50·353	-38·104	- 4	47.1517	10·4	...	...	...	...	...	...

§10·8 = D, - 5.
C.P.D. 46°·1681. Obscured by réseau.

1-10						11-20						21-30					
I	II	III	IV	V	VI	II	III	IV	V	VI	VII	II	III	IV	V	VI	VII
...	-59·094	-26·701	- 5	...	...	-51·636	- 4·861	- 4	...	...	...	*	-48·863	+31·652	1·00	46.1709	10·0
...	58·676	+43·689	- 4	46.1704	10·4	...	51·597	- 2·825	- 5	...	...	...	48·844	-37·572	- 5	...	...
...	58·457	- 6·097	- 5	...	...	*	51·375	-37·401	1·20	47.1516	9·6	...	48·126	- 5·554	1·00	47.1519	10·2
...	56·778	-32·721	- 3	47.1513	10·4	...	51·170	-16·558	- 5	...	...	*	48·074	+50·756	2·00	46.1710	9·4
...	56·433	- 2·718	- 4	...	...	...	50·912	+57·596	- 5	45.1719	10·4	...	47·776	+36·221	- 4	...	...
...	-55·824	-31·691	- 1	47.1514	10·4	...	-50·742	-38·122	- 3	47.1517	10·4	S*	-47·079	+11·209	3·00	46.1711	7·9
*	54·463	+19·558	2·00	46.1705	9·0	...	50·514	+13·144	- 4	...	...	...	46·989	-27·528	- 4	47.1520	10·4
...	53·392	-45·894	- 5	...	...	...	50·223	+40·030	- 2	46.1708	10·4	...	46·298	-29·491	- 1	47.1522	10·4
...	51·850	+17·334	- 5	...	...	...	50·190	+40·449	- 1	46.1707	10·4	*	46·206	-41·623	1·20	47.1521	9·7
...	51·832	+26·028	- 1	46.1706	10·4	†	49·598	-37·050	1·20	47.1518	9·7	...	45·655	- 3·197	0·80	...	...

L measured from I, 343.
C " " 158.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
31-90						91-150						151-210					
31	-45.358	+ 0.087	0.80	46.1712	10.4	91	-32.868	- 4.007	- 5	0	...	151	-20.485	+13.059	- 3	0	...
...	45.200	+ 25.490	- 4	...	...	...	32.679	+ 15.297	- 5	...	...	...	20.478	+59.582	- 5	45.1753	10.4
S*	45.154	- 51.623	1.65	47.1523	9.4	...	32.631	+ 1.591	0.85	46.1728	10.4	...	20.399	-41.971	- 5	...	...
...	44.870	- 56.633	- 5	...	...	...	32.239	+ 29.748	- 5	...	...	...	19.887	+34.017	0.90	46.1752	10.4
...	44.188	+ 45.898	- 5	...	...	...	32.204	+ 40.183	2.10	46.1729	8.5	*	19.879	-54.753	1.00	47.1552	10.0
...	-44.146	+ 6.739	- 5	...	...	...	-31.820	+ 34.010	1.00	46.1730	10.1	...	-19.772	-23.598	- 1	...	...
*	44.134	+ 25.628	- 5	...	...	...	31.403	-44.726	1.00	47.1540	10.0	*	19.731	-23.519	1.00	47.1553	9.7
*	43.945	- 57.713	1.50	47.1524	9.3	...	31.293	-32.868	- 5	...	...	...	19.687	+14.319	1.20	46.1753	9.4
...	43.721	- 41.612	- 5	...	...	...	31.111	-58.143	- 5	...	...	...	18.879	+13.194	- 3	...	...
...	43.621	- 58.588	- 1	47.1526	10.4	...	30.961	-39.881	- 1	...	...	...	18.659	-25.404	- 5	...	...
41	-43.613	- 6.848	- 5	...	...	101	-30.393	+ 50.192	1.00	46.1732	10.1	...	18.600	-40.185	- 3	...	...
...	42.741	- 6.134	- 4	...	...	...	30.133	+ 12.198	- 3	46.1731	10.4	...	18.554	-23.230	- 5	...	...
...	42.659	+ 25.971	- 5	...	...	...	29.966	+ 54.318	1.00	46.1733	10.1	*	18.551	-30.850	1.40	47.1554	9.4
*	42.557	+ 23.272	1.40	46.1713	9.3	...	29.802	+ 3.384	- 5	...	...	...	18.007	+20.344	- 4	...	...
...	42.388	+ 48.611	- 5	...	...	...	29.606	+ 12.899	1.00	46.1734	10.2	*	17.965	+51.218	1.20	46.1754	9.8
...	-42.168	- 2.452	0.75	46.1714	10.4	...	-29.059	+ 7.826	1.00	46.1735	10.0	...	-17.621	+ 0.255	0.70	...	...
...	42.068	- 18.751	- 5	...	...	...	28.296	-47.298	- 5	...	...	...	17.585	+44.264	- 5	...	...
...	41.810	+ 49.354	- 4	46.1715	10.4	...	28.025	-17.379	- 5	...	...	...	17.404	+20.056	- 4	...	...
*	41.113	- 41.616	1.00	47.1527	10.2	...	27.902	-48.872	- 4	...	...	*	17.370	-26.722	2.80	47.1556	8.4
...	39.814	- 23.624	- 5	...	...	...	27.810	-44.084	1.10	47.1541	9.7	...	17.369	-42.706	0.85	47.1555	10.2
51	-39.752	- 5.783	0.95	47.1528	10.4	...	-27.809	-15.153	- 4	...	...	...	16.868	+57.260	- 1	45.1756	10.4
†	39.731	+ 40.454	- 5	...	...	*	27.453	-27.179	1.00	47.1542	9.8	†	16.655	-10.071	- 2	47.1558	10.4
*	39.369	+ 43.429	1.00	46.1716	10.0	*	26.916	+ 16.412	1.30	46.1736	9.7	...	16.565	-48.707	0.95	47.1557	10.1
...	38.921	+ 51.950	- 4	46.1717	10.4	*	26.903	-39.555	1.00	47.1543	10.0	...	15.806	+34.995	- 3	...	...
*	38.472	+ 40.310	1.00	46.1718	10.1	...	26.689	+ 38.625	- 4	...	...	*	15.513	+18.216	2.70	46.1755	8.4
*	-38.155	+ 31.759	1.30	46.1719	9.8	*	-26.307	+ 10.122	1.00	46.1737	10.2	*	-15.463	-57.341	1.50	47.1559	9.6
...	37.912	+ 39.362	- 4	...	...	*	25.973	-30.048	1.00	47.1544	10.1	...	15.063	+36.336	0.70	46.1756	10.2
...	37.890	- 4.424	- 5	...	...	...	25.880	+ 15.156	0.75	46.1738	10.4	...	14.876	-59.736	- 2	47.1561	10.4
...	37.844	+ 40.028	- 5	...	...	...	25.606	+ 5.034	- 1	46.1739	10.4	...	14.482	- 1.619	- 3	...	...
...	37.738	+ 29.170	- 5	...	...	...	25.589	+ 32.999	- 5	...	...	...	14.157	+35.494	- 5	...	...
61	-37.674	- 53.177	- 1	47.1530	10.4	...	-25.489	+ 16.856	1.00	46.1740	10.2	...	13.769	+55.463	- 5	...	...
...	37.656	- 4.304	- 3	...	...	*	25.118	+ 35.731	1.00	46.1741	10.0	...	13.518	+33.310	- 5	...	...
...	37.538	+ 33.688	- 5	...	...	...	25.037	+ 22.122	- 2	...	...	...	13.494	- 8.582	- 5	47.1562	10.4
...	37.380	+ 34.014	- 5	...	...	...	24.855	-24.956	- 5	...	...	...	13.286	-59.770	- 5	...	...
...	37.078	+ 3.745	0.70	46.1720	10.4	...	24.773	-17.995	- 4	...	...	...	13.023	-42.671	- 5	...	...
...	-36.742	- 51.552	- 1	47.1531	10.4	†	-24.692	-43.848	0.65	47.1545	10.2	*	-12.760	+26.679	4.00	46.1757	7.4
...	36.554	- 3.074	- 1	46.1721	10.4	†	24.643	+ 17.818	0.70	46.1742	10.2	...	12.510	-25.661	- 5	...	...
...	36.432	- 46.521	- 3	47.1532	10.4	...	24.583	+ 33.476	- 5	...	...	...	12.317	+45.522	- 1	46.1753	10.4
*	36.418	- 23.141	1.30	47.1533	9.7	...	24.420	- 8.972	0.95	47.1546	10.2	...	12.271	-34.096	1.00	47.1563	10.4
*	36.337	+ 14.498	1.00	46.1723	9.7	...	24.254	+ 47.565	- 5	...	...	...	12.155	-22.503	- 5	...	...
71	* -36.335	- 30.404	1.00	47.1534	9.9	...	-24.143	+ 42.119	- 5	...	...	...	11.950	+32.167	- 5	...	...
†	36.277	+ 4.828	0.75	46.1722	10.4	...	24.026	+ 42.698	- 5	...	...	...	11.932	+46.904	- 1	46.1759	10.4
...	36.229	+ 15.378	0.85	46.1724	10.4	S*	23.714	-20.525	2.20	47.1547	8.4	*	11.853	+11.106	3.00	46.1760	7.9
...	35.951	- 44.908	- 3	47.1535	10.4	...	23.407	-26.413	- 5	...	...	S*	11.783	-51.968	3.20	47.1564	7.6
...	35.673	- 47.088	- 4	...	...	*	23.289	+ 28.332	1.30	46.1743	9.1	...	11.680	+13.377	- 5	...	...
...	-35.512	- 31.579	- 3	47.1536	10.4	...	-23.063	-22.378	0.65	47.1548	10.4	...	-11.486	+18.577	- 5	...	...
...	35.510	+ 46.187	- 5	...	...	...	22.947	+ 32.995	- 1	46.1744	10.4	...	11.430	+29.545	- 5	...	...
...	35.480	+ 22.075	- 2	...	...	...	22.930	-57.676	- 1	47.1549	10.4	...	11.070	+59.237	0.80	46.1763	10.2
...	35.258	- 18.380	- 4	...	...	†	22.811	+ 49.711	0.95	46.1745	10.2	...	10.573	-56.724	- 4	...	...
...	34.977	+ 2.761	- 4	...	...	*	22.740	+ 31.895	1.00	46.1746	10.2	...	10.080	-15.702	- 4	47.1565	10.4
81	-34.814	- 46.166	- 4	...	...	...	-22.585	-33.683	- 4	...	...	...	9.748	- 3.961	- 5	...	...
...	34.514	- 18.030	- 4	...	...	...	22.343	+ 32.204	- 1	46.1747	10.4	†	9.634	- 3.223	- 1	46.1761	10.4
...	34.483	- 32.239	0.75	47.1537	10.4	...	21.827	- 6.062	0.85	47.1550	10.4	...	9.482	- 1.332	- 2	46.1762	10.4
*	34.303	- 8.772	1.25	47.1538	9.6	...	21.625	-27.144	- 4	...	...	...	8.857	- 15.320	- 5	...	...
...	34.211	- 12.997	- 3	47.1539	10.4	*	21.511	+ 29.287	1.05	46.1748	9.7	...	8.132	-58.421	0.70	47.1567	10.2
...	-34.126	+ 37.549	- 2	46.1726	10.4	...	-21.506	+ 46.894	- 4	46.1749	10.4	...	-8.065	-36.433	0.65	47.1566	10.2
...	34.072	+ 19.195	- 5	...	...	...	21.331	+ 39.661	1.00	46.1750	10.1	...	7.983	-55.821	- 5	...	...
*	33.990	+ 13.835	4.00	46.1725	7.2	*	20.673	-52.041	1.30	47.1551	9.6	...	7.691	+14.999	0.70	46.1763	10.4
...	33.621	+ 42.161	- 1	...	...	...	20.638	+ 3.696	- 3	...	...	*	7.470	-55.287	2.00	47.1568	8.0
...	33.035	+ 6.603	0.70	46.1727	10.4	*	20.590	+ 27.367	1.00	46.1751	10.0	...	7.404	+ 33.634	0.65	46.1764	10.4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		
211-270																			
211	-7.074	+42.608	-4	46.1765	10.4	271	*	+3.702	+10.494	5.00	46.1787	6.9	331	+16.715	+27.775	-5	°	...	
...	6.833	-54.416	-5	...	...	...	*	3.798	+52.772	1.90	46.1785	9.1	...	16.777	+59.308	0.90	45.1792	10.1
...	6.729	-51.803	-3	...	...	...	*	3.807	+40.790	1.20	46.1786	9.8	...	16.902	-37.175	0.70	47.1601	10.2
*	6.552	+13.354	1.20	46.1766	9.6	...	*	3.809	-32.317	-5	...	...	...	17.273	+52.258	1.00	46.1807	10.0
...	6.348	+14.544	-5	...	...	...	*	3.955	+27.210	1.20	46.1788	9.6	*	18.212	-56.809	2.00	47.1604	8.8
n	-6.260	-8.447	-1	...	...	...	*	3.984	-48.231	-5	...	...	*	+18.245	-9.168	1.50	47.1602	9.1
n	6.183	-8.278	0.70	47.1569	10.1	...	*	4.177	-39.435	1.30	47.1584	9.4	*	18.416	-34.468	1.15	47.1603	9.9	
...	6.072	+9.062	-2	46.1767	10.4	...	*	4.436	-47.600	-5	...	...	...	19.089	+15.646	0.65	46.1808	10.4
...	5.681	+52.714	-1	46.1768	10.4	...	*	4.595	-9.687	1.20	47.1585	9.4	...	19.121	-10.680	-5	...	...
F f	5.659	+0.408	0.90	46.1769	10.2	...	*	4.709	-49.726	1.20	47.1586	9.6	...	19.302	+24.651	0.80	46.1809	10.4	
221	*	-5.477	-43.506	1.20	47.1570	9.6	281	*	+4.794	-22.181	-5	+19.543	+3.580	-4
...	5.212	+2.938	0.90	46.1771	10.2	...	*	4.975	+43.245	-5	...	...	...	20.148	-37.681	-3	...	...
S*	5.138	+38.394	6.00	46.1770	5.4	*	*	5.108	-50.979	1.20	47.1587	9.6	...	20.480	+18.734	-4	...	...
...	5.047	-49.248	-4	...	...	...	*	5.165	+17.944	2.00	46.1789	8.5	...	20.871	+15.760	-5	...	...
...	4.950	+44.516	-4	...	...	...	*	5.315	-49.574	-5	...	...	...	21.328	-0.957	-5	...	...
...	4.867	+29.573	-5	...	...	...	*	5.447	-21.716	-4	...	...	...	+21.601	+21.042	-3	46.1810	10.4
...	4.861	+22.097	-5	...	...	...	*	5.620	-48.682	0.80	47.1588	10.4	...	21.800	+18.992	0.85	46.1811	10.4
*	4.820	-26.592	1.00	47.1571	10.1	...	*	5.981	+5.989	0.70	46.1790	10.4	...	22.358	-8.615	-2	...	...
...	4.771	-44.505	-3	...	...	...	*	6.200	-47.125	2.00	47.1589	8.6	...	22.761	-20.718	0.90	47.1605	10.4
†	4.719	+26.895	-1	46.1772	10.4	...	*	6.303	+35.855	-3	46.1791	10.4	...	22.869	+59.136	-5	...	...
231	*	-4.672	+19.682	1.00	46.1773	9.9	291	*	+6.630	+10.861	-1	+22.927	-7.171	-3
...	4.576	-10.199	-5	...	...	...	*	9.129	-38.617	-4	...	...	...	23.145	-57.679	-1	47.1606	10.4
*	4.531	-49.183	1.20	47.1572	9.8	*	*	9.391	-38.780	1.20	47.1590	9.4	...	23.178	-52.823	-5	...	...
*	4.392	-13.223	1.10	47.1573	9.9	...	*	9.408	-48.244	-2	47.1591	10.4	...	23.281	-50.997	-1	47.1607	10.4	
S*	4.158	+14.119	4.00	46.1774	7.4	*	*	9.494	+37.762	2.00	46.1792	8.4	...	23.401	+29.133	-3	46.1812	10.4	
...	4.082	-32.683	-5	...	...	...	*	9.936	-2.979	-4	...	...	...	+23.760	+10.723	-5	...	...
...	3.915	-42.889	-5	...	...	...	*	10.276	+4.808	-5	...	...	...	23.782	-16.402	0.70	47.1608	10.4
*	3.778	+10.649	2.00	46.1775	8.3	...	*	10.285	+48.463	-4	46.1793	10.4	...	23.831	-25.816	-5	...	...
...	3.746	-42.477	-1	47.1574	10.4	...	*	11.319	-46.395	1.20	47.1592	9.6	...	24.423	-30.562	-5	...	...
...	3.626	+31.496	-5	...	...	...	*	11.525	+34.084	1.05	46.1794	9.9	n†	24.454	+9.887	-5	46.1813	10.4
241	*	-3.399	+37.905	-5	...	...	*	12.384	+23.642	5.00	46.1796	6.4	...	+24.563	+15.689	-3	...	...
...	3.240	-3.010	-3	...	...	...	*	12.403	+52.729	7.00	46.1795	4.3	n	24.589	+10.028	-4	46.1813	10.4
...	2.761	-7.430	-4	...	...	...	*	12.642	+8.799	-1	46.1797	10.4	...	24.665	-39.252	-2	47.1609	10.4
*	2.553	+43.578	1.20	46.1776	9.4	...	*	12.834	+0.879	-2	...	...	*	25.146	+32.565	-2	...	...
...	2.537	-46.735	-2	47.1575	10.4	...	*	12.890	+7.697	1.30	46.1798	9.4	...	25.677	+4.008	-5	...	...
*	2.235	-18.074	1.00	47.1576	10.0	...	*	13.202	-2.082	1.00	46.1800	10.2	...	+26.287	-4.114	-5	...	...
*	2.008	+29.646	0.95	46.1777	10.4	...	*	13.216	-26.296	2.00	47.1594	9.0	...	26.554	-29.489	-1	47.1610	10.4	
*	1.952	-17.521	1.00	47.1577	10.2	...	*	13.360	+52.480	2.00	46.1799	9.0	...	26.672	+25.029	0.90	46.1814	10.1	
*	1.458	-36.880	1.30	47.1578	9.6	...	*	13.378	+17.941	-2	...	...	*	26.816	+3.057	1.00	46.1815	10.1
...	1.370	+25.414	0.70	46.1778	10.4	...	*	13.409	+17.381	0.95	46.1801	9.9	...	26.943	-2.642	0.95	46.1816	10.4	
251	*	-1.292	-40.169	-5	...	...	*	13.411	-34.998	-5	...	...	...	+27.880	+13.441	-5	...	...
...	1.097	-6.631	-1	47.1579	10.4	...	*	13.487	-39.529	1.20	47.1595	9.7	*	28.167	+55.603	3.00	46.1817	8.3	
*	0.476	+38.736	1.05	46.1779	9.9	†	*	13.572	-34.997	-5	...	...	...	28.273	+10.717	-3	...	...
...	0.426	+17.274	-5	...	...	...	*	13.585	+24.096	-2	...	...	...	28.287	+12.159	-4	...	...
...	0.362	+30.611	-5	...	...	...	*	13.744	+44.607	-4	...	...	*	28.584	+29.977	1.10	46.1818	9.7
...	0.307	+37.549	-5	...	...	...	*	13.938	-58.028	-5	...	...	...	+28.976	-10.501	0.90	47.1612	10.2
...	0.038	-4.367	-5	...	...	...	*	14.255	+54.461	2.10	46.1803	8.8	...	29.014	+52.639	-1	46.1819	10.2
†	+0.321	-23.552	-1	47.1580	10.4	...	*	14.257	+51.190	-5	46.1802	10.4	*	29.185	+23.005	3.00	46.1820	8.0	
...	0.659	-56.195	-5	...	...	...	*	14.357	-43.648	-5	...	...	...	29.763	-18.989	0.70	...	...
...	1.042	+15.184	0.65	46.1780	10.4	...	*	14.703	-24.675	1.90	47.1596	9.0	...	29.982	+39.719	-4	...	...
261	*	+1.301	+23.552	-4	...	...	*	15.021	-21.865	-2	47.1597	10.4	...	+30.036	-13.216	0.90	47.1613	10.4
*	1.475	+52.718	1.20	46.1781	9.6	†	*	15.252	+13.758	-4	46.1804	10.4	...	30.396	-28.311	-5	...	...
...	1.566	-57.024	-1	47.1581	10.4	...	*	15.390	+12.906	-1	46.1805	10.4	*	30.511	-58.111	2.00	47.1614	9.3	
...	1.781	-49.591	-5	...	...	...	*	15.857	-0.542	-1	46.1806	10.4	*	30.523	+43.325	1.00	46.1821	9.9
S*	1.812	-1.569	2.30	46.1782	8.2	...	*	15.945	-36.969	-4	47.1599	10.4	...	31.105	+36.939	-3	46.1822	10.4	
...	+1.979	-56.966	-1	47.1582	10.4	...	*	15.961	+32.586	-5	...	...	...	+31.317	-39.219	-4	...	...
...	2.802	+40.007	-5	...	...	...	*	16.075	-12.091	1.05	47.1598	9.8	S*	31.320	-40.978	2.40	47.1615	8.6
*	3.191	+50.975	2.60	46.1783	8.8	...	*	16.213	-6.067	-5	...	...	*	31.787	-8.897	2.00	47.1616	9.3
...	3.423	-25.941	0.85	47.1583	10.4	†	*	16.279	-44.909	-2	47.1600	10.4	...	31.811	+38.348	-5	...	...
*	3.620	+50.873	1.20	46.1784	9.9	...	*	16.579	+41.230	-4	...	...	...	32.308	-34.147	1.00	47.1617	10.4

216, 217. C.P.D., suspected double.

360, 362. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
391-430																		
39 ¹	+33·044	-34·724	-5	o	...	43 ¹	+42·362	+1·637	0·80	46·1835	10·4	47 ¹	+51·362	+38·290	-5	46·1846	10·4	
*	33·149	+2·222	4·00	46·1823	7·2	*	42·887	-16·566	1·00	47·1629	10·2	...	51·636	+36·557	-5	...	...
...	33·218	+17·528	-4	...	...	...	42·986	-27·504	-2	47·1630	10·4	...	52·169	+38·830	-1	46·1847	10·2
...	33·738	-48·303	-4	...	...	...	43·234	+32·701	1·00	46·1836	10·2	...	52·282	+19·567	-4	46·1848	10·4
*	33·922	+20·758	1·00	46·1824	10·1	...	43·460	-6·320	-5	...	...	...	52·718	+10·832	1·00	46·1851	10·2
...	+33·994	+23·249	-3	46·1825	10·4	...	+43·636	-12·365	0·85	47·1631	10·2	*	+52·919	+33·345	1·05	46·1850	9·9	
S*	34·086	-23·410	-5	...	...	...	43·703	+16·487	-5	...	...	...	52·977	+45·837	-4	46·1849	10·2
...	34·587	+33·029	2·10	46·1826	8·6	...	43·735	+21·338	-5	...	...	...	53·002	-5·817	-5	...	...
...	34·768	-35·355	0·90	47·1618	10·2	...	44·307	-39·706	-4	...	...	*	53·232	+33·259	2·00	46·1852	9·3
*	34·869	-56·762	1·00	47·1619	9·8	*	44·887	+10·237	1·00	46·1837	9·8	...	53·451	-4·266	-2	...	...
40 ¹	+35·326	-22·406	-5	...	...	44 ¹	+44·909	-22·952	1·05	47·1632	9·8	48 ¹	+53·608	+51·436	-4	46·1853	10·2
...	35·383	+26·916	-4	46·1827	10·4	S*	45·282	+1·484	2·00	46·1838	8·8	*	53·788	-21·922	2·00	47·1642	9·3	
...	35·425	-41·973	-3	47·1620	10·4	S*	45·449	-8·326	2·60	47·1633	8·3	*	54·032	-50·975	7·00	47·1644	4·9	
...	35·508	+58·925	-3	...	...	...	45·587	+6·759	-4	...	...	*	54·052	-48·777	1·00	47·1645	9·8
*	36·110	+9·467	1·20	46·1828	9·6	*	46·705	+46·730	2·80	46·1839	8·9	...	54·517	-7·837	-5	...	...
...	+36·389	+4·781	-3	...	...	...	+46·877	-33·167	-5	...	...	*	+54·669	+29·770	1·05	46·1854	9·8
...	36·573	-25·818	0·95	47·1622	10·1	...	46·917	+14·384	-5	...	...	*	54·883	-1·290	1·00	46·1857	10·0
*	36·621	+21·174	1·00	46·1829	9·7	...	46·988	+16·204	-5	...	...	*	54·939	+1·687	1·00	46·1856	10·2
*	36·740	-7·607	1·00	47·1621	10·0	...	47·020	-7·318	-2	47·1634	10·4	†	55·244	+39·932	-4	46·1855	10·2	
...	37·008	-29·621	0·95	47·1623	10·2	...	47·050	+4·448	-4	...	...	...	55·387	-7·806	-4	...	...
41 ¹	+37·038	+42·452	-4	...	...	45 ¹	+47·993	-7·997	-4	...	...	49 ¹	+55·419	+17·230	2·00	46·1858	9·0
...	38·108	-8·603	1·00	47·1624	10·1	...	48·049	-36·012	1·00	47·1637	10·0	...	55·676	+12·895	1·00	46·1859	10·2	
...	38·300	-2·224	-5	...	...	*	48·064	-43·796	1·30	47·1638	9·4	*	56·088	+3·783	1·00	46·1860	9·9
...	38·910	+35·963	-5	...	...	*	48·105	-45·000	1·00	47·1640	9·7	*	56·276	-4·192	1·00	47·1647	10·0
†	39·056	+0·083	1·70	46·1831	9·2	*	48·307	-36·710	1·10	47·1639	9·8	...	57·439	+1·599	-5	...	...
*	+39·647	+38·532	1·40	46·1830	9·4	...	+48·309	+10·910	-4	46·1841	10·4	...	+57·464	+14·139	-5	...	...
†	40·099	+23·300	0·90	46·1832	10·4	...	48·348	+57·829	-5	...	...	...	57·712	+42·279	-1	46·1861	10·1
†	40·164	-5·090	0·80	47·1625	10·4	...	48·567	-4·557	-2	47·1636	10·4	*	57·870	-5·269	1·10	47·1648	9·7	
...	40·340	+51·898	-4	...	...	S*	48·609	-46·661	2·65	47·1641	8·4	...	58·396	-31·090	-1	47·1649	10·4
...	40·626	-58·355	-4	47·1627	10·2	...	48·835	+0·502	-4	...	...	...	58·408	+28·233	-1	46·1862	10·2
42 ¹	+40·667	-26·274	0·90	47·1626	10·2	46 ¹	+48·930	+51·703	1·30	46·1840	9·7	50 ¹	+58·514	-18·319	-5	...	...
...	40·918	+32·790	-5	...	...	*	48·978	+2·204	1·00	46·1843	10·1	...	58·987	+40·377	-5	46·1863	10·4
...	41·240	+54·357	-5	...	...	...	49·243	+33·959	-5	...	...	...	59·043	+12·619	-5	...	...
*	41·385	+12·514	1·10	46·1833	9·7	...	49·364	+51·177	-5	46·1842	10·4	...	...	...	...	...	...
*	41·520	-32·771	1·10	47·1628	9·8	...	50·195	+36·336	-5	...	...	...	...	...	...	...	...
...	+41·831	-9·269	-5	...	...	...	+50·324	+38·939	-1	46·1844	10·2	...	...	...	...	...	...
...	42·012	-40·330	-5	...	...	...	50·372	-11·770	-5	...	...	...	...	...	...	...	...
...	42·069	-17·038	-3	...	...	...	50·559	+46·641	-4	46·1845	10·4	...	...	...	...	...	...
...	42·134	+59·135	-5	45·1823	10·4	...	51·078	+41·497	-5	...	...	...	...	...	...	...	...
*	42·281	+44·050	1·05	46·1834	9·8	...	51·332	-38·030	-4	*	53·434	+2·142	1·05	46·1843	10·1

L measured from 1, 423.
C .., .., 187, 675.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
31-90																	
31	-53°31'5	+36°29'	-4	o	...	91	-43°257	+59°777	-1	45°1853	10·2	151	-34°229	-16°049	-5	o	...
...	53°290	+13°437	-5	...	...	...	43°241	-18°070	-4	...	...	...	33°670	+44°454	-5	...	...
...	53°287	+46°596	-4	46.1845	10·4	...	43°232	+45°761	-1	46.1864	10·2	...	33°581	-49°583	-4	47.1659	10·4
*	53°257	+38°897	1·00	46.1844	10·2	...	43°222	+7°124	-3	...	...	...	33°553	-14°695	0·90	...	...
*	53°135	-36°091	1·00	47.1637	10·0	...	43°205	-1°649	-4	...	...	...	33°533	-43°720	-4	...	...
*	-52°880	-43°874	1·45	47.1638	9·4	*	-43°159	+48°939	1·30	46.1865	9·7	...	-33°523	+13°776	-4	...	...
*	52°858	-36°779	1·20	47.1639	9·8	*	42°952	-30°832	1·00	47.1649	10·4	...	33°331	+40°774	-2	46.1880	10·4
*	52°773	-45°071	1·10	47.1640	9·7	...	42°877	+35°586	-4	A	...	*	33°040	-11°456	1·15	47.1661	9·7
...	52°594	+41°458	-3	...	...	...	42°557	-44°908	-5	...	...	*	32°968	-14°123	2·00	47.1660	9·0
...	52°311	-0·305	-5	a	...	*	41°856	+40°613	1·80	46.1866	9·3	...	32°871	-13°970	-5	...	...
41	101																
S*	-52°222	-46°715	2·55	47.1641	8·4	...	-41°837	-20°204	-5	...	...	...	-32°804	+1°615	-5	...	...
...	52°184	+38°286	-4	46.1846	10·4	...	41°659	-6°735	0·80	47.1650	10·4	...	32°732	+21°609	-4	...	...
...	51°881	+36°561	-4	...	...	...	41°273	+9°475	-5	...	...	...	32°705	-59°316	-5	...	...
...	51°590	-11°775	-2	...	...	...	41°242	-1°443	0·85	46.1867	10·4	...	32°539	+12°260	0·90	46.1881	10·2
...	51°412	+38°851	1·00	46.1847	10·2	*	41°172	+22°766	1·00	46.1868	10·2	...	32°477	+22°039	-4	...	...
...	-50°813	+45°873	-1	46.1849	10·2	†	-41°156	+24°945	0·90	46.1869	10·4	...	-32°418	+36°485	0·85	46.1882	10·4
...	50°692	+19°590	0·80	46.1848	10·4	...	40°901	-3°964	0·70	...	...	...	32°200	+48°917	1·00	46.1884	10·2
*	50°484	+33°387	1·00	46.1850	9·9	*	40°772	+14°312	1·00	46.1870	10·0	*	32°197	+7°041	1·00	46.1883	10·2
...	50°366	+51°490	-1	46.1853	10·2	...	40°709	+20°599	-3	...	...	...	31°978	+50°839	-1	46.1885	10·4
...	50°150	+33°299	1·60	46.1852	9·3	...	40°221	+37°067	-4	...	...	...	31°920	-17°136	-2	...	...
51	111																
†	-49°555	+10°871	0·90	46.1851	10·2	...	-40°165	+49°444	-5	...	...	...	-31°913	-15°310	0·90	47.1662	10·4
...	49°800	-37°993	-4	...	...	...	40°118	+29°520	-5	...	...	...	31°867	+59°760	-1	45.1868	10·4
...	49°193	-20°741	-5	...	...	*	39°707	-24°239	1·30	47.1651	9·4	...	31°815	-6°415	-5	...	...
...	49°166	-5°742	-2	...	...	...	39°489	+11°073	-3	...	...	...	31°787	+44°735	-5	...	...
...	48°828	-38°001	-5	...	...	...	39°444	+11°432	-5	...	...	...	31°660	+6°465	0·90	46.1886	10·4
*	48°751	-4°184	0·75	...	...	...	-39°407	+35°525	-5	...	...	*	-31°416	+25°599	0·95	46.1887	10·0
*	48°635	+29°861	1·00	46.1854	9·8	...	39°273	-2°537	-4	...	...	...	31°403	-34°754	-4	...	...
...	48°357	+40°031	-1	46.1855	10·2	...	39°208	+42°802	-1	46.1873	10·4	*	31°186	-6°367	0·95	47.1663	10·4
†	48°305	-29°832	-4	...	...	...	39°064	+11°421	-2	46.1871	10·4	*	31°152	-15°524	1·20	47.1664	9·7
...	47°989	-50°344	-5	...	...	*	38°838	+11°711	1·00	46.1872	9·7	...	30°935	+1°517	0·75	46.1888	10·4
61	121																
*	-47°836	-21°819	1·70	47.1642	9·3	*	-38°642	+25°233	1·20	46.1874	9·6	...	-30°800	-37°836	0·90	...	...
...	47°562	-7°717	-4	...	...	...	38°492	-45°595	-5	...	...	...	30°786	-59°402	-5	...	...
*	47°456	+1°805	1·00	46.1856	10·2	*	38°130	-58°268	1·70	47.1652	9·7	...	30°710	+17°159	0·85	...	...
*	47°452	+17°363	2·00	46.1858	9·0	*	37°875	+28°397	1·10	46.1875	9·7	*	30°416	-16°298	1·00	47.1666	10·0
*	47°420	-1°159	1·00	46.1857	10·0	...	37°862	+1°142	-5	M	...	*	30°382	+34°329	1·05	46.1889	9·7
...	-47°281	-7°142	-4	...	...	*	-37°491	-33°577	1·00	47.1653	10·4	+	-29°930	-51°482	1·00	47.1667	9·9
*	47°073	+13°035	1·00	46.1859	10·2	...	37°476	-12°857	-5	...	...	...	29°850	+58°698	-2	45.1871	10·4
*	46°707	-48°652	1·05	47.1645	9·8	...	37°452	+39°439	-5	...	...	...	29°797	-33°004	-4	...	...
...	46°698	-7°658	0·65	...	...	...	37°254	+13°351	-5	...	...	*	29°682	-54°164	1·30	47.1668	9·7
*	46°664	-50°854	7·00	47.1644	4·9	*	37°120	-2°841	2·70	46.1876	8·7	...	29°673	-9°704	-5	...	...
71	131																
...	-46°540	+53°829	-5	...	...	...	-36°994	+33°140	-5	...	...	...	-29°243	+43°115	-5	...	...
*	46°350	+3°943	1·00	46.1860	9·9	...	36°504	+56°920	-4	45.1862	10·4	...	29°156	+41°136	0·90	46.1890	10·4
*	45°975	+42°456	1·00	46.1861	10·1	...	36°275	-44°525	-4	...	...	...	29°087	-47°712	-5	...	...
...	45°960	+10°230	-5	...	...	...	36°260	-44°361	-3	47.1654	10·4	...	28°731	+14°765	-1	...	...
...	45°942	-43°463	-5	...	...	...	36°179	-12°409	0·90	47.1656	10·4	*	28°713	-17°677	1·20	47.1669	9·6
*	-45°910	-4°021	1·00	47.1647	10·0	...	-36°063	-38°202	-1	...	...	*	-28°438	+41°416	1·40	46.1891	9·2
...	45°578	+3°035	-4	A	...	...	36°025	+13°399	-3	...	...	*	28°307	+30°882	1·15	46.1892	9·9
...	45°399	-17°416	-5	...	...	*	35°734	+10°552	1·00	46.1877	10·2	...	28°159	-10°158	-5	...	...
...	45°323	+14°339	-3	...	...	...	35°484	-46°136	-5	...	...	...	27°854	-30°478	-4	...	...
...	45°267	+14°688	-4	...	...	*	35°428	-28°633	1·00	47.1657	9·9	...	27°837	+25°119	-3	...	...
81	141																
...	-45°057	-2°979	-4	...	...	...	-35°356	-32°389	-5	...	...	...	-27°817	+10°360	-4	...	...
†	44°960	+1°804	-4	...	...	...	35°321	-17°688	-4	...	...	...	27°645	+46°083	-1	46.1893	10·4
...	44°885	+36°539	-4	...	...	...	35°225	+24°681	-5	...	...	...	27°437	+14°334	-3	...	...
...	44°846	+28°457	0·90	46.1862	10·2	*	34°820	-6°448	1·00	47.1658	10·2	S*	27°182	+35°856	2·00	46.1894	8·6
...	44°657	+40°597	-4	46.1863	10·4	...	34°763	+13°009	-5	M	...	...	27°126	-49°784	1·20	47.1671	9·7
...	-44°421	-1°034	-5	...	...	...	-34°750	+58°866	-1	45.1864	10·1	*	-26°831	+28°077	1·10	46.1896	10·0
*	44°297	-5°036	1·00	47.1648	9·7	*	34°723	+12°538	2·00	46.1878	9·1	*	26°667	+28°077	2·90	46.1895	8·5
...	44°213	-34°281	-5	...	...	...	34°721	+38°682	-4	...	...	...	26°540	+36°907	-5	M	...
...	43°719	+12°864	-2	...	...	...	34°642	-16°650	-5	...	...	*	26°510	+26°697</			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
211-270																		271-330	
211	-26.350	-5.472	-5	o	...	...	271	-18.488	-1.791	-5	...	...	331	-11.691	-41.381	-5	o	...	...
...	26.323	+3.238	-4	...	...	...	...	18.378	+52.926	-5	...	...	...	11.560	+28.020	1.00	46.1928	10.2	...
...	26.298	-3.441	-1	46.1898	10.4	...	...	18.325	-18.769	-1	...	...	...	11.467	+0.396	-2	...	...	...
...	26.158	-20.344	0.70	...	...	*	...	18.244	+9.521	1.00	46.1918	9.9	...	11.304	-21.510	1.05	47.1695	9.6	...
...	26.143	+16.597	-1	46.1900	10.4	...	...	18.173	-1.985	-5	...	...	...	11.113	-38.023	-5	...	...	...
...	-26.079	+35.298	-1	...	...	...	...	-18.037	+31.766	-5	...	...	...	-10.998	+35.634	-2	...	...	...
...	26.055	+22.676	-1	46.1901	10.4	...	...	18.009	-29.953	-3	...	...	...	10.983	-24.889	1.00	47.1695	10.1	...
*	26.030	+40.368	0.90	46.1902	10.0	*	...	17.976	-25.853	0.85	47.1680	10.2	...	10.853	+39.754	0.70	46.1929	10.4	...
*	25.975	+52.020	1.40	46.1903	9.6	*	...	17.868	-23.846	1.15	47.1681	9.7	...	10.656	+4.956	-1	46.1930	10.4	...
...	25.914	+45.625	-5	...	...	...	...	17.860	+2.094	-1	...	...	...	10.480	-19.994	1.10	47.1697	9.7	...
221	...	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...	...
...	-25.908	+19.072	0.70	46.1904	10.4	...	...	-17.730	+32.873	-3	...	...	...	-10.336	-36.441	-5	...	...	...
...	25.837	+35.377	-1	46.1905	10.4	*	...	17.559	-32.542	1.20	47.1682	9.7	...	10.076	-51.651	1.10	47.1699	9.7	...
...	25.689	-8.386	0.70	47.1673	10.2	...	...	17.418	+13.578	-3	...	...	...	10.069	-47.936	1.10	47.1698	9.7	...
...	25.277	-0.461	0.70	46.1906	10.4	...	...	17.394	-34.427	-5	...	...	...	9.985	+19.152	1.15	46.1931	9.9	...
...	24.932	+0.673	0.85	46.1907	10.4	...	...	17.367	+32.630	-5	...	...	...	9.858	-28.414	0.85	47.1700	10.2	...
*	24.867	+7.656	1.20	46.1908	10.0	...	...	-17.326	+13.810	-5	M	...	...	9.634	-4.088	-2	...	...	...
...	24.644	+15.747	-2	...	...	*	...	17.027	-39.361	0.95	47.1683	10.2	...	9.573	+1.494	-5	M	...	...
*	24.305	-16.691	1.10	47.1674	9.9	*	...	16.933	-16.099	1.00	47.1685	10.1	...	9.486	+40.058	0.70	46.1932	10.2	...
...	23.934	-53.379	-4	...	...	*	...	16.916	+23.209	1.20	46.1920	9.7	...	9.422	+39.518	-4	...	...	...
...	23.667	+2.968	-1	...	...	...	...	16.854	+35.612	0.65	46.1919	10.4	...	9.353	-1.337	-5	...	...	...
231	...	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...	...
...	-23.612	-15.255	0.75	...	...	*	...	-16.849	+27.641	1.20	46.1921	9.7	*	-9.294	+45.661	1.00	46.1934	10.2	...
...	23.609	+57.422	-4	...	...	*	...	16.726	-22.441	1.00	47.1687	10.2	...	9.152	+27.882	0.80	46.1933	10.4	...
...	23.571	+12.807	0.70	46.1909	10.2	*	...	16.652	-58.662	2.10	47.1686	8.8	...	8.881	-32.151	-4	...	...	...
*	23.529	+27.908	1.00	46.1910	10.4	...	...	16.178	-9.583	-5	A	...	...	8.737	+59.766	-3	45.1906	10.4	...
...	23.495	-32.284	-5	...	...	...	...	16.047	-33.044	-5	...	...	...	8.675	-43.791	1.00	47.1702	10.2	...
...	23.493	+40.691	-2	...	...	...	...	-15.902	+39.358	-4	...	...	...	-8.508	-15.314	1.00	47.1703	10.0	...
...	23.471	-26.343	-2	...	...	...	...	15.688	+5.786	-5	...	...	...	8.281	+41.650	1.25	46.1935	9.4	...
...	23.448	-43.542	-2	...	...	...	...	15.545	+44.682	-5	...	...	...	8.001	-5.680	-2	47.1704	10.4	...
...	23.009	+3.088	-5	...	...	...	...	15.360	+25.940	-5	M	...	...	7.953	-57.169	1.20	47.1705	9.8	...
*	22.818	+23.505	1.15	46.1911	9.7	...	...	15.292	-54.060	0.65	...	...	...	7.952	+42.676	0.80	46.1936	10.4	...
241	...	...	...	...	...	...	301	...	...	...	...	...	361	...	...	...	...	...	...
...	-22.525	-36.475	-5	...	...	...	...	-15.235	+49.638	-5	...	...	...	-7.909	-35.270	0.65	47.1706	10.1	...
*	22.286	-46.612	1.40	47.1675	9.3	...	...	15.160	-2.780	-1	...	...	S *	7.835	+10.197	2.00	46.1938	8.8	...
...	22.274	+18.046	0.75	46.1912	10.4	†	...	15.086	-20.404	-5	...	...	...	7.703	+40.783	1.05	46.1937	9.9	...
...	22.128	-42.856	-5	...	...	†	...	15.072	-39.888	-5	...	...	...	7.431	-13.788	1.05	47.1707	9.9	...
*	21.957	+58.254	1.20	45.1881	10.0	...	...	14.919	+10.937	-5	...	...	...	6.471	+56.585	3.00	45.1912	7.2	...
N	21.777	+9.774	-3	46.1913	10.2	*	...	-14.843	+3.211	1.20	46.1922	9.7	*	-6.459	-37.280	4.40	47.1708	6.9	...
N	21.765	+9.725	-3	46.1913	10.2	...	...	14.523	-1.200	-4	...	...	...	6.236	-32.545	-5	...	...	...
...	21.561	-20.176	-4	...	...	...	...	14.484	+49.669	0.70	46.1923	10.4	...	6.216	-22.729	0.65	47.1709	10.4	...
...	21.381	-28.655	-1	...	...	...	...	14.479	-26.095	-3	...	...	...	6.151	+6.302	1.00	46.1940	10.0	...
...	21.320	+5.674	-5	M	...	...	...	14.464	-44.025	-2	47.1690	10.4	*	6.106	+37.175	1.00	46.1939	10.2	...
251	...	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...	...
*	21.273	+20.731	-4	...	...	...	...	-14.456	-45.865	-2	47.1688	10.4	...	-6.050	-47.354	0.95	47.1710	10.4	...
*	21.261	+13.980	1.40	46.1914	9.7	...	...	14.407	-36.682	-5	...	...	...	5.885	+59.547	1.40	45.1915	9.8	...
...	21.073	-5.258	-5	...	...	*	...	14.391	+47.426	1.50	46.1924	9.0	...	5.776	-26.130	-3	...	...	...
...	20.727	-15.839	-5	...	...	*	...	14.336	-36.766	1.00	47.1689	9.9	...	5.584	+16.746	-5	M	...	...
...	20.723	+33.104	-5	...	...	*	...	13.683	-15.543	-4	...	...	...	5.211	+26.187	-2	...	...	...
...	-20.681	+2.612	-3	...	...	*	...	-13.635	-30.567	1.00	47.1691	10.1	†	-5.111	+7.112	-4	46.1941	10.4	...
...	20.647	+45.258	0.70	46.1915	10.4	*	...	13.478	+13.035	1.00	46.1925	9.9	...	4.968	+46.920	-5	...	...	...
...	20.335	-0.123	-1	...	...	...	...	13.464	+8.013	0.75	46.1926	10.4	...	4.897	+37.661	-5	...	...	...
*	20.263	-48.762	1.15	47.1676	10.0	...	...	13.345	-27.480	-2	...	...	...	4.798	+56.545	-5	...	...	...
...	19.836	+42.008	-3	...	...	...	...	13.302	+16.733	-5	...	...	...	4.773	-18.495	-5	...	...	...
261	...	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...	...
...	-19.789	-20.936	-5	...	...	...	...	-13.132	+5.745	-5	...	...	...	-4.749	-53.20	-1	...	...	...
*	19.716	-6.116	1.00	47.1677	10.1	...	...	12.668	+55.074	0.90	46.1927	10.4	...	4.722	-37.941	-1	...	...	...
...	19.319	-5.601	-5	...	...	...	...	12.584	+41.249	-5	...	...	...	4.713	+22.171	1.05	46.1942	10.0	...
...	19.163	-28.285	-2	...	...	*	...	12.526	-42.385	1.40	47.1693	9.4	S *	4.526	+40.588	3.10	46.1943	7.6	...
*	18.978	-3.023	2.60	46.1916	8.2	S *	...	12.341	-12.041	3.00	47.1694	8.0	...	4.468	+8.618	0.80	46.1944	10.4	...
...	-18.924	-29.399	-5	...	...	...	...	-12.085	-44.214	-5	...	...	...	-4.410	-38.430	1.00	47.1711	10.0	...
...	18.748	-6.761	-5	...	...												

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
391-450																			
39 ^I	- 4°028	+48°008	- 1	46.1945	10·4		45 ^I	- 5°571	- 18°342	- 5	°	..	51 ^I	+ 11°418	- 3°925	1·00	47.1736	10·0	
...	3°819	+22°731	- 5	...	...	*	...	5°653	+ 11°335	1·10	46.1954	9·8	...	11°500	- 43°394	- 4	...	...
...	3°776	- 39°040	0°90	47.1714	10·4		...	5°666	- 6°095	- 5	M	..	...	11°541	+ 51°825	- 4	...	...
...	3°775	+25°131	- 1	...	...	*	...	5°714	+ 58°045	1·20	45.1944	9·8	*	11°670	- 44°019	1·00	47.1737	9·9
*	3°702	+30°879	1·05	46.1946	9·7	*	...	5°956	+ 11°378	1·00	46.1956	10·0	...	11°712	- 17°873	- 5	...	...
*	- 3°289	+57°665	2·00	45.1918	8·8	*	+	5°956	- 48°733	1·00	47.1728	9·9	...	+ 11°794	+ 40°732	0·70	...	...
*	3°171	- 6°864	1·50	47.1715	9·2	*	...	6°089	+ 51°044	1·00	46.1955	9·9	...	11°881	- 8°497	0·80	...	...
...	3°128	- 51°156	- 2	...	...	*	...	6°203	+ 22°816	1·00	46.1958	9·9	...	11°947	+ 16°108	- 5	...	...
...	3°061	+44°264	- 2	...	...	*	...	6°249	+ 24°414	1·25	46.1957	9·6	...	12°000	- 55°505	- 1	...	...
...	2°899	- 27°383	- 1	...	...	*	...	6°443	+ 59°173	- 4	...	...	...	12°069	+ 19°896	- 2	...	...
40 ^I	-	2°780	- 35°452	- 1	...	n	46 ^I	+ 6°606	+ 4°518	0·90	46.1959	10·1	...	+ 12°107	+ 56°114	- 5	...	...
...	2°767	+ 30°580	- 5	...	...	...	...	6°685	+ 24°624	- 5	M	...	*	12°167	- 37°051	1·15	47.1738	9·8
...	2°682	+ 46°265	- 1	...	...	n	...	6°726	+ 4°400	0·95	46.1959	10·1	...	12°167	+ 38°857	0·65	...	...
...	2°665	+ 2°209	- 5	M	...	...	...	6°744	- 24°515	- 4	M	...	...	12°204	+ 46°749	- 3	...	...
...	2°605	- 53°331	- 4	...	...	...	...	6°763	- 24°458	0·80	47.1729	10·4	...	12°315	- 17°066	0·65	...	...
...	- 2°326	- 17°105	- 5	...	...	...	+	6°907	+ 24°695	- 3	46.1960	10·4	...	+ 12°378	- 43°313	0·70	...	...
...	1°972	+ 9°409	- 5	...	...	*	...	7°027	+ 28°415	1·10	46.1961	9·7	...	12°508	- 18°254	- 5	...	...
*	1°910	+ 50°117	1·00	46.1947	10·1	*	...	7°112	- 13°430	1·00	47.1730	9·9	...	12°683	+ 4°904	- 4	...	...
...	1°816	+ 40°283	- 2	...	...	...	...	7°134	+ 37°789	- 4	...	...	...	12°775	+ 26°339	0·65	...	...
...	1°607	- 51°627	- 5	...	...	...	...	7°251	- 9°406	0·90	47.1731	10·2	...	12°970	- 34°203	0·70	...	...
41 ^I	*	- 1°564	+ 30°648	1·15	46.1948	9·8	*	47 ^I	+ 7°293	+ 50°640	1·40	46.1962	9·2	...	+ 13°025	+ 56°248	- 5
...	1°454	+ 31°545	- 1	...	...	...	...	7°328	+ 31°890	0·90	46.1963	10·4	†	13°274	+ 55°031	1·50	46.1974	9·2
...	1°365	- 47°152	- 5	...	...	...	...	7°347	+ 5°351	- 5	M	...	...	13°304	+ 58°581	- 4	...	...
...	0°877	+ 57°320	- 5	...	...	...	...	7°353	+ 29°871	0·80	...	...	*	13°360	+ 56°191	1·40	45.1959	9·7
...	0°807	+ 7°414	0·80	46.1949	10·4	...	...	7°463	- 35°560	1·30	47.1732	9·4	...	13°470	- 29°163	- 5	...	...
...	- 0°707	+ 49°704	- 2	...	...	...	+	7°697	- 13°077	- 4	...	...	*	+ 13°524	+ 29°174	0·95	46.1975	10·4
...	0°599	+ 39°771	- 5	...	...	...	...	7°890	+ 0°914	0·70	...	...	...	13°621	- 52°579	- 4	...	...
*	0°514	+ 36°815	1·00	46.1950	9·9	...	...	7°973	- 10°086	- 2	47.1733	10·4	...	13°637	- 43°066	- 5	...	...
...	0°398	+ 15°299	- 1	...	...	S *	...	8°002	- 52°080	2·70	47.1734	8·4	...	13°729	- 40°593	- 5	...	...
...	0°270	- 28°907	- 4	...	...	...	...	8°216	+ 45°308	- 1	...	...	*	13°741	+ 8°607	2·00	46.1976	8·9
42 ^I	-	0°162	- 36°339	- 5	48 ^I	+ 8°271	+ 6°613	- 5	M	+ 13°902	+ 56°727	- 5
...	0°145	- 23°422	- 5	...	...	...	...	8°447	+ 53°819	- 1	46.1964	10·4	...	14°019	- 31°946	0·80	...	...
*	+ 0°111	- 55°154	1·00	47.1717	10·1	*	Fm	8°552	- 24°617	3·30	47.1735	7·4	...	14°084	- 41°694	0·70	...	...
...	0°222	- 13°390	- 5	...	...	...	...	8°565	+ 0°307	0·80	46.1965	10·4	...	14°108	- 56°888	- 5	...	...
*	0°513	- 41°248	1·00	47.1718	9·9	...	...	8°587	- 46°222	- 5	...	...	...	14°138	- 25°101	- 5	...	...
*	+ 0°526	- 58°359	1·10	47.1719	9·9	...	+	8°769	- 32°725	- 4	...	...	...	+ 14°181	+ 54°122	- 4	...	...
...	0°627	+ 25°666	- 5	...	...	*	...	9°025	+ 48°261	1·00	46.1966	10·2	...	14°200	+ 41°677	- 4	...	...
*	0°986	+ 27°740	1·10	46.1951	9·7	*	...	9°062	+ 47°474	1·05	46.1967	9·9	...	14°364	+ 54°833	- 4	...	...
...	1°072	- 7°492	- 4	...	...	...	...	9°099	- 12°080	- 4	...	...	...	14°514	+ 48°855	- 1	46.1977	10·4
*	1°133	+ 46°148	1·05	46.1952	9·9	...	...	9°220	- 0°247	- 3	...	...	...	14°641	- 38°432	- 3	...	...
43 ^I	*	+ 1°146	- 40°206	1·80	47.1720	9·1	...	49 ^I	+ 9°233	- 38°166	- 4	†	+ 14°878	- 35°822	- 4
...	1°928	+ 38°868	- 4	...	...	...	...	9°235	- 29°485	- 4	...	...	...	15°000	- 7°892	- 2	...	...
...	2°003	+ 5°610	- 3	...	...	...	...	9°273	+ 20°199	- 2	...	...	...	15°028	+ 11°654	- 5	...	...
...	2°202	- 7°722	- 2	...	...	...	...	9°377	+ 17°576	- 5	...	...	...	15°157	+ 35°341	- 3	46.1978	10·4
...	2°222	- 19°096	- 5	...	...	...	...	9°539	+ 29°458	0·70	46.1968	10·4	...	15°173	+ 1°612	0·75	...	...
...	+ 2°421	+ 11°766	- 4	...	...	†	...	9°820	+ 10°798	- 5	...	...	...	+ 15°209	+ 43°536	- 3	...	...
...	2°752	- 15°278	0·90	47.1722	10·4	...	...	9°863	+ 31°816	- 5	...	...	...	15°277	- 41°692	- 5	...	...
...	3°229	+ 29°865	0·80	...	...	...	...	10°059	- 41°278	- 5	...	...	...	15°320	- 48°218	- 5	...	...
...	3°290	+ 57°112	- 1	45.1937	9·8	...	...	10°089	- 52°586	- 4	...	...	...	15°555	+ 28°510	- 5	...	...
...	3°370	+ 57°142	- 1	45.1937	9·8	...	...	10°191	- 56°446	- 3	...	...	...	15°575	+ 2°633	- 4	...	...
44 ^I	+	3°534	- 12°120	- 5	M	...	*	50 ^I	+ 10°195	+ 7°909	3·00	46.1970	8·3	...	+ 15°594	- 19°603	0·75	47.1741	10·4
...	3°822	+ 19°884	- 1	...	...	*	...	10°197	+ 43°967	1·40	46.1969	9·2	...	15°698	- 51°195	- 5	...	...
...	3°907	+ 22°515	0·90	46.1953	10·4	*	...	10°255	- 0°477	1·00	46.1971	10·2	...	15°728	+ 3°780	- 5	...	...
...	4°073	+ 54°873	- 2	...	...	...	...	10°548	- 58°750	- 4	...	...	*	15°960	- 49°302	1·05	47.1742	10·1
...	4°257	+ 1°991	- 4	M	...	...	...	10°640	+ 36°044	- 5	...	...	...	16°023	+ 51°507	- 1	46.1979	10·4
*	+ 4°363	- 58°528	1·00	47.1724	10·2	...	...	+ 10°663	+ 6°984	0·70	46.1972	10·4	...	+ 16°167	+ 17°772	- 4	...	...
...	4°456	- 28°703	0·80	...	...	...	...	10°700	- 52°522	- 5	...	...	...	16°327	+ 41°542	- 3	...	...
...	4°762	- 58°666	0·90	47.1725	10·2	...	...	10°796	- 36°388	- 4	...	...	...	16°369	- 35°056	- 4	...	...
*	5°069	- 7°210	2·40	47.1726	8·1	...	...	10°903	- 14°914	0·70	...	...	*	16°391	- 30°763	0·95	47.1743	10·4
*	5°313	- 33°734	1·00	47.1727	10·1	...	...	11°168	+ 1·489	0·90	46.1973	10·4	...	16°425	- 57°289	- 5	...	...

C.P.D. 47°·1723, place covered by fault.
46^I, 46³. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
571-630																		
571	+16·453	+17·977	0·90	46·1980	10·4	...	+24·036	-24·194	-4	...	...	...	691	+32·001	-32·096	-5	...	...
...	16·505	+55·684	-4	...	...	...	24·086	-7·089	0·65	...	...	...	...	32·051	+0·117	-2	46·2010	10·4
...	16·629	+17·023	-5	...	...	...	24·623	-24·559	-4	...	...	...	...	32·118	-54·387	1·20	47·1773	10·0
...	16·733	+32·107	-5	...	...	*	24·683	+7·015	1·10	46·1996	9·8	...	...	32·311	-11·887	2·30	47·1771	8·1
*	17·738	+22·252	1·30	46·1981	9·4	...	24·903	+58·779	-3	...	...	...	...	32·499	+11·171	-4	...	...
*	+17·470	-14·084	0·70	...	...	...	+24·918	+42·985	0·90	46·1995	10·4	...	...	+32·582	+39·284	-5	...	...
*	17·671	-1·306	2·00	46·1982	8·7	...	25·016	-18·458	-4	...	...	...	...	32·842	-4·625	2·10	47·1772	8·4
S*	17·699	-28·957	0·75	47·1744	10·4	...	25·049	-23·739	-4	...	...	...	...	32·932	-19·790	-1	...	...
S*	17·726	-1·786	3·80	46·1983	7·7	...	25·174	-19·346	-4	...	...	...	...	32·951	-52·192	1·00	47·1774	10·2
...	17·915	-12·043	-3	...	...	...	25·244	-47·026	-5	...	...	...	...	33·058	+39·836	-5	...	...
581	*+18·108	+43·253	1·20	46·1984	9·7	...	+25·720	-27·141	-5	...	...	...	701	*+33·433	+30·622	1·00	46·2011	10·2
*	18·152	-31·731	1·10	47·1746	9·6	...	25·804	-20·682	-3	...	...	...	...	33·565	+24·643	-5	...	...
...	18·158	-8·148	0·70	...	...	...	25·865	+59·901	-3	45·1991	10·4	...	...	33·653	+31·854	0·65	46·2013	10·4
...	18·492	-33·313	-5	...	...	*	25·876	-5·791	1·00	47·1759	9·9	*	...	33·727	+49·044	1·20	46·2012	10·0
...	18·601	+21·693	0·85	46·1985	10·0	...	26·020	-24·527	-4	...	...	...	...	33·851	+44·759	-5	...	...
...	+18·917	+6·342	-4	...	...	...	+26·026	-41·085	-3	...	...	...	...	+33·881	-29·606	-5	...	...
...	18·955	+51·187	-5	...	...	...	26·052	-44·038	0·65	47·1760	10·4	...	...	34·201	-24·659	-5	...	...
...	19·003	-6·387	0·90	47·1747	10·4	*	26·121	-2·903	1·00	46·1998	9·9	...	...	34·287	+33·097	-1	46·2014	10·4
*	19·205	+34·198	1·00	46·1986	9·8	*	26·255	+22·943	1·00	46·1997	10·0	...	...	34·289	+7·061	-1	...	...
...	19·386	-40·841	0·70	...	...	*	26·613	+30·739	1·00	46·1999	10·0	...	...	34·398	+14·858	-5	...	...
591	*+19·400	-28·532	1·25	47·1748	9·6	*	+26·939	-40·650	1·00	47·1761	10·4	*	...	+34·399	-45·650	1·20	47·1775	9·9
...	19·460	-8·302	-5	b	...	...	27·022	+49·311	-5	...	...	...	...	34·408	+19·377	1·05	46·2016	10·1
...	19·506	+55·349	-4	...	...	*	27·190	+33·614	1·00	46·2000	9·9	†	...	34·707	+50·050	-1	46·2015	10·2
...	19·712	-4·284	-4	...	...	...	27·391	-1·655	-5	...	...	...	...	35·018	-5·431	-5	...	...
+	19·777	+21·241	0·85	46·1988	10·2	...	27·395	-44·228	-3	...	...	...	...	35·195	-1·545	2·20	46·2017	8·4
+	+19·805	+8·712	0·90	46·1989	10·2	...	+27·447	-21·113	0·90	47·1762	10·4	...	...	+35·265	-36·360	-5	...	...
+	19·852	-11·671	1·00	47·1749	10·2	*	27·503	-17·905	1·00	47·1763	9·8	...	...	35·403	+41·198	-5	...	...
...	20·115	+52·699	1·00	46·1987	10·1	*	27·573	+48·493	1·00	46·2001	10·2	...	...	35·423	-30·780	-5	...	...
...	20·124	+42·306	-4	...	...	...	27·666	-0·331	-5	...	...	...	...	35·457	-38·642	1·20	47·1776	9·7
...	20·331	+36·938	0·90	46·1990	10·4	...	27·839	-35·738	-2	...	...	...	...	35·495	-44·276	-1	...	...
601	*+20·353	+38·715	1·20	46·1991	9·6	...	+28·306	+12·518	-3	...	...	...	721	+35·615	+27·280	-5	...	...
...	20·566	-27·230	-3	...	...	*	28·329	-12·305	1·00	47·1764	9·7	...	...	35·633	+32·637	-2	...	...
...	20·651	+22·989	0·90	46·1992	10·4	...	28·499	-22·112	-5	...	...	...	...	35·804	-5·178	-2	...	...
...	20·681	+53·390	-5	...	...	n*	28·536	-32·186	3·00	47·1765	8·1	*	...	35·808	+5·727	1·05	46·2019	10·0
*	20·695	-41·663	1·00	47·1750	10·4	*	28·573	+8·060	1·00	46·2002	10·0	*	...	35·835	+43·333	1·00	46·2018	10·0
...	+20·814	-39·264	-5	...	...	...	+28·712	+14·172	0·75	46·2004	10·4	...	...	+36·116	-5·703	-2	...	...
...	20·859	-25·815	-3	...	...	n*	28·735	-32·118	1·35	47·1765	8·1	...	...	36·197	+22·678	0·70	46·2020	10·4
*	21·108	-49·019	1·00	47·1751	10·0	*	28·802	+21·834	1·50	46·2003	9·4	*	...	36·305	+1·916	2·00	46·2021	8·9
...	21·201	+3·771	-5	...	...	...	29·023	+42·446	-3	...	...	...	...	36·357	-1·335	1·00	46·2022	10·0
*	21·243	-49·664	2·00	47·1754	8·8	...	29·280	+57·546	-4	...	...	...	...	36·429	-2·311	-3	...	...
611	671																	
...	+21·412	-21·152	0·75	...	...	...	+29·343	+45·592	-4	...	...	...	731	+36·737	+36·822	-2	...	...
*	21·538	-16·629	1·00	47·1753	9·8	...	29·432	-21·611	0·90	47·1766	10·4	*	...	36·876	-36·283	1·15	47·1777	9·9
...	21·552	-7·635	0·90	47·1752	10·4	...	29·464	+49·079	-1	46·2005	10·2	...	...	37·021	+34·094	-5	...	...
...	21·732	+49·316	-5	...	...	*	29·641	-31·360	0·95	47·1767	10·2	*	...	37·074	+43·177	1·20	46·2023	10·1
*	21·767	+45·379	2·60	46·1993	8·4	...	29·854	+29·390	-5	...	...	...	...	37·109	+0·109	1·10	46·2024	9·8
...	+21·769	+29·401	-4	...	...	...	+30·049	-33·400	-5	...	...	N	[+37·251	+27·004	-1	...	...
...	21·898	-44·930	1·00	47·1755	10·4	...	30·301	-29·374	-1	...	...	...	...	37·427	-0·278	-5	...	...
...	21·904	-6·014	-4	...	...	*	30·359	-16·664	0·90	47·1768	10·4	...	...	37·533	+13·478	0·90	46·2025	10·4
...	22·006	-30·452	-4	...	...	*	30·441	+46·753	2·00	46·2006	9·0	...	...	37·810	-11·456	0·70	47·1778	10·4
...	22·625	+32·892	-5	...	...	...	30·578	+31·812	-5	...	...	...	...	37·817	+5·357	-5	...	...
621	+22·737	-15·344	0·65	...	...	*	+30·588	+26·463	1·60	46·2008	9·1	...	...	+37·904	-26·35	0·70	47·1779	10·4
*	22·782	-30·358	1·60	47·1756	9·0	*	30·776	-12·408	1·10	47·1769	9·8	...	...	37·924	-3·081	-5	...	...
...	22·815	+54·587	-5	...	...	...	30·778	+20·789	-1	...	...	*	...	38·054	-0·359	1·00	46·2027	10·2
...	23·357	+17·320	0·80	...	...	*	30·817	+46·994	2·50	46·2007	8·6	...	...	38·116	+35·531	-5	...	...
*	23·388	+43·431	1·00	46·1994	10·2	...	30·828	+21·497	-1	...	...	...	...	38·239	+32·284	-4	...	...
+	+23·414	-59·656	0·90	47·1758	10·2	...	+31·050	-39·316	-2	...	...	*	...	+38·252	+25·818	2·00	46·2026	9·0
...	23·626	-20·334	-2	...	...	*	31·402	+31·661	-4	...	...	...	...	38·406	+57·640	-5	...	...
...	23·716	+33·017	-4	...	...	*	31·460	+53·498	1·10	46·2009	10·1	...	...	38·472	-14·338	-5	...	...
...	23·751	-15·588	0·75	47·1757	10·4	*	31·649	-17·028	1·00	47·1770	10·4	...	...	38·936	+10·000	-2	46·2028	10·4
...	23·908	+8·766	0·75	...	...	...	31·944	-8·940	-2	...	...	...	...	38·952	+29·032	-2	...	...

664, 667. C.P.D., Mass.

736. Mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
751-810																	
751	... +39°079	+10°013	-5	...	...	...	... +47°640	-16°277	0°90	47.1794	10°4	871	* +58°965	+11°100	1°20	46°2064	9°7
...	39°097	+29°425	-5	...	...	...	... 47°733	+13°641	-4	...	...	...	... 59°232	+59°122	0°65	45°2049	9°9
*	39°183	-28°829	1°20	47.1781	9°9	...	... 47°931	+35°347	-5	...	...	...	* 59°347	+37°837	1°40	46°2063	9°6
...	39°215	-7°177	-5	...	...	...	... 48°095	-47°482	-5	...	...	...	... 59°627	-44°266	-3	...	...
...	39°294	-8°166	-2	...	...	...	... 48°222	+43°041	0°90	46.2043	10°2	...	... 59°637	-19°285	-4	...	...
...	+39°426	-13°248	0°70	47.1780	10°4	...	... 48°352	-1°988	-4	...	...	...	† +59°647	+3°234	-2	46°2066	10°4
*	39°995	-45°094	1°40	47.1782	9°8	...	... 48°368	+24°310	-1	...	...	...	† 59°694	+0°594	-2	46°2067	10°2
...	40°018	-13°877	-3	...	...	...	... 48°588	+11°335	-5	...	...	...	811-870				
...	40°162	+4°180	-4	...	...	...	... 48°683	+3°505	-4	...	...	...	871-877				
...	40°223	+17°375	-2	...	...	...	... 49°027	+52°839	0°85	46.2044	10°2	...	871-877				
761	... +40°370	+47°043	0°90	46.2029	10°4	...	... +49°172	-59°653	1°20	47.1795	9°9	...	821				
*	40°371	+21°889	1°15	46.2030	9°6	...	... 49°393	+22°489	-5	...	...	...	821				
...	40°433	-28°802	-5	...	...	...	... 49°474	+8°262	-4	...	...	...	831				
*	40°522	-32°306	1°20	47.1783	9°8	...	... 49°556	+25°357	-1	46.2046	10°4	...	831				
*	40°608	-52°218	1°40	47.1784	9°9	...	... 49°600	+34°591	0°70	46.2045	10°4	...	831				
*	+40°806	+23°391	1°00	46.2031	10°1	...	... +49°932	+7°102	-3	...	...	...	831				
...	41°429	-41°410	-4	...	...	...	... 50°014	-23°778	-2	...	...	...	831				
...	41°501	+58°492	-1	45.2023	10°4	...	... 50°118	-31°834	-4	...	...	...	831				
...	41°527	-19°599	-5	...	...	...	... 50°238	+4°498	-5	...	...	...	831				
...	41°616	-25°426	0°70	47.1785	10°4	...	... 50°511	+28°066	0°70	46.2047	10°4	...	831				
771	... +41°714	+53°572	0°65	46.2032	10°4	*	... +50°641	-33°997	1°20	47.1797	9°9	...	841				
...	41°955	-22°308	-5	...	...	...	... 50°713	+35°200	0°90	46.2048	10°2	...	841				
*	41°957	-53°397	1°30	47.1786	9°9	S*	... 51°112	-39°043	2°00	47.1799	9°6	...	841				
S*	42°095	+14°666	2°00	46.2033	8°9	...	... 51°481	-7°104	-3	...	...	...	841				
...	42°598	+16°184	-5	...	...	...	... 51°551	-13°919	1°40	47.1798	9°6	...	841				
*	+42°667	-37°574	1°30	47.1788	9°6	...	... +51°780	-33°091	-4	...	...	...	841				
...	42°763	-9°520	-1	47.1787	10°4	...	... 51°929	+32°829	0°70	46.2049	10°4	...	841				
...	42°794	-24°853	-1	...	...	...	... 52°351	+14°484	1°20	46.2052	9°8	...	841				
...	42°980	+4°010	-5	...	...	...	... 52°384	+13°437	2°00	46.2053	9°0	...	841				
...	43°311	-58°621	-2	47.1790	10°4	...	... 52°539	+52°255	-1	46.2050	10°2	...	841				
781	... +43°372	+14°242	-5	...	...	*	... +52°751	+45°820	2°00	46.2051	9°1	...	851				
...	43°377	+13°083	-5	...	...	...	... 53°022	+19°363	-4	...	...	...	851				
...	43°477	+25°577	-5	...	...	*	... 53°235	+59°511	2°00	45.2039	8°2	...	851				
...	43°516	+39°809	0°65	46.2034	10°4	...	... 53°258	+49°393	-5	46.2054	10°4	...	851				
*	43°848	-4°323	1°05	47.1789	10°1	...	... 53°715	+49°533	0°70	46.2055	10°2	...	851				
...	+44°081	-5°374	-5	...	...	...	... +53°817	+13°465	-4	...	...	...	851				
...	44°129	-0°441	0°70	46.2035	10°4	...	... 54°255	-25°883	-5	...	...	...	851				
...	44°182	+6°242	0°70	46.2036	10°4	...	... 54°401	-7°389	0°65	...	...	...	851				
...	44°239	-21°499	0°95	47.1791	10°2	...	... 54°723	-49°887	2°00	47.1800	9°2	...	851				
...	44°373	+58°232	-5	...	...	...	... 54°895	+29°469	-5	...	...	...	851				
791	... +44°434	-18°971	-4	...	...	...	... +55°142	+6°662	-5	...	...	...	861				
...	44°643	+7°683	-2	...	...	...	... 55°156	-30°345	-5	...	...	...	861				
*	44°878	+39°364	1°15	46.2037	9°8	...	... 55°287	+28°014	-5	...	...	...	861				
†	44°921	+10°162	-5	...	...	...	... 55°429	-52°180	1°10	47.1801	9°9	...	861				
...	44°993	+19°298	-5	...	...	*	... 55°498	+58°037	2°00	45.2042	9°3	...	861				
*	+45°316	+55°956	3°00	45.2027	8°0	*	... +55°573	+35°454	1°00	46.2056	10°2	...	861				
...	45°661	-19°625	-5	...	...	*	... 56°093	-33°363	1°30	47.1802	9°7	...	861				
...	45°827	+7°898	-5	...	...	*	... 56°136	+56°581	-4	45.2044	10°2	...	861				
S*	45°915	+46°526	2°50	46.2038	8°6	*	... 56°575	-54°006	1°35	47.1803	9°8	...	861				
...	45°988	+23°313	-5	...	...	...	... 57°094	+5°730	-1	...	...	...	861				
801	... +46°016	-42°294	-3	...	...	...	... +57°152	-47°259	0°95	47.1804	10°0	...	861				
...	46°151	-22°226	0°90	47.1792	10°4	...	... 57°179	+19°783	-1	46.2058	10°4	...	861				
...	46°361	+26°192	-3	46.2039	10°4	*	... 57°518	+25°845	1°00	46.2060	10°4	...	861				
...	46°435	-15°089	0°70	...	...	...	... 57°596	-55°940	-5	47.1805	10°4	...	861				
...	46°640	-16°016	-5	...	...	...	... 57°655	+39°998	-5	46.2057	10°4	...	861				
*	+46°751	+27°143	3°00	46.2040	7°9	*	... +57°920	+42°241	2°60	46.2059	8°7	...	861				
...	46°915	-24°239	-5	...	...	*	... 58°099	+42°492	2°00	46.2061	9°0	...	861				
*	47°266</td																

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
1-60																	
I	-59° 902	-25° 713	-4	47.1785	10·4	61	-48° 677	+58° 129	1·40	45.2042	9·3	121	-39° 388	-23° 384	1·20	47.1812	9·7
†	59° 418	+13° 994	-5	...	...	...	48° 368	+29° 570	-5	...	...	...	39° 333	-13° 393	-5	...	...
...	59° 359	+12° 837	-5	...	...	...	47° 997	+56° 696	-1	45.2044	10·2	...	39° 321	+20° 735	-5	...	...
...	59° 258	-9° 761	-3	47.1787	10·4	...	47° 978	+26° 283	-5	...	...	...	39° 287	-11° 045	-1	47.1813	10·4
*	58° 777	+55° 741	3·00	45.2027	8·0	...	47° 938	+28° 129	-4	...	...	...	39° 197	+40° 275	1·10	46.2077	9·9
...	58° 737	-25° 112	-4	...	...	*	-47° 890	+35° 584	0·95	46.2056	10·2	...	-39° 133	-36° 389	-4	...	...
...	58° 684	-53° 662	-1	47.1786	9·9	...	47° 700	-7° 275	0·70	...	...	...	39° 107	+31° 491	-5	...	...
*	58° 682	+39° 140	1·05	46.2037	9·8	...	47° 398	+6° 787	-4	...	...	...	39° 096	+34° 188	-4	...	...
*	58° 469	-37° 826	1·00	47.1788	9·6	...	47° 248	-25° 768	-5	...	...	...	38° 989	+6° 022	-5	...	...
*	58° 345	-4° 563	1·00	47.1789	10·1	...	46° 747	+32° 581	-5	...	...	...	38° 873	+57° 159	-2	45.2055	10·4
II	61-120																
...	71																
...	-58° 342	+6° 021	-2	46.2036	10·4	...	-46° 214	-30° 192	-4	...	...	...	-38° 715	+21° 743	1·90	46.2079	9·0
...	58° 189	-0° 675	-3	46.2035	10·4	†	46° 015	-49° 738	1·35	47.1800	9·2	...	38° 712	+56° 155	0·65	45.2057	10·4
...	57° 937	+7° 471	-1	...	...	...	45° 943	+40° 189	-4	46.2057	10·4	...	38° 698	+19° 305	0·65	46.2078	10·4
S*	57° 887	+46° 329	2·45	46.2038	8·6	...	45° 801	+19° 964	0·65	46.2058	10·4	...	38° 673	-55° 538	0·90	47.1814	10·1
...	57° 734	+9° 951	-5	...	...	*	45° 755	+42° 431	2·00	46.2059	8·7	...	38° 438	-3° 150	0·70	46.2080	10·4
...	57° 405	-21° 704	0·90	47.1791	10·2	...	-45° 647	+26° 029	0·95	46.2060	10·4	...	-38° 373	+54° 115	0·80	46.2082	10·2
...	57° 161	-58° 834	-4	47.1790	10·4	*	45° 570	+42° 679	1·90	46.2061	9·0	*	38° 127	+8° 435	1·20	46.2081	9·3
...	56° 801	+26° 023	-5	46.2039	10·4	...	45° 418	+5° 933	0·65	...	...	...	38° 040	-26° 895	-3	...	...
...	56° 751	+7° 725	-5	...	...	...	45° 240	-52° 006	1·00	47.1801	9·9	*	37° 947	-43° 692	2·20	47.1815	8·2
*	56° 421	+26° 977	3·00	46.2040	7·9	*	45° 165	-33° 162	1·15	47.1802	9·7	...	37° 765	-11° 257	0·70	47.1816	10·4
III	81																
...	-55° 602	+22° 417	0·90	46.2041	10·2	†	-44° 981	+59° 341	-1	45.2049	9·9	...	-37° 542	+56° 560	0·70	45.2060	10·4
...	55° 534	+35° 221	-5	...	...	*	44° 806	+18° 477	1·00	46.2062	9·7	*	37° 383	-30° 048	1·80	47.1818	9·0
...	55° 488	+42° 920	-1	46.2043	10·2	*	44° 209	+38° 064	1·20	46.2063	9·6	...	37° 366	-46° 768	-3	47.1817	10·4
...	55° 487	+23° 171	-1	46.2042	10·4	...	44° 179	-43° 125	-5	...	...	*	37° 287	-26° 529	1·00	47.1819	10·0
...	55° 462	-22° 369	0·90	47.1792	10·4	...	44° 045	-53° 803	1·15	47.1803	9·8	...	36° 988	-10° 768	-3	...	...
...	-55° 405	-15° 233	0·80	...	...	*	-43° 738	+11° 342	1·00	46.2064	9·7	...	-36° 729	-47° 270	-1	47.1820	10·4
†	54° 988	+52° 728	-1	46.2044	10·2	...	43° 687	-47° 033	1·05	47.1804	10·0	...	36° 673	+3° 327	0·70	46.2083	10·4
...	54° 745	+24° 198	-4	...	...	...	43° 407	+32° 979	0·90	46.2065	10·2	...	36° 493	+58° 957	-4	...	...
*	54° 223	-26° 500	1·00	47.1793	9·9	...	42° 962	-55° 685	-4	47.1805	10·4	...	36° 311	-23° 948	-5	...	...
...	54° 176	-16° 385	0·90	47.1794	10·4	...	42° 785	+3° 505	0·70	46.2066	10·4	...	36° 246	-46° 319	-5	...	...
IV	91																
...	-53° 916	-2° 074	-5	...	...	*	-42° 669	+0° 866	1·00	46.2067	10·2	...	-36° 098	-17° 270	0·70	47.1821	10·4
...	53° 846	+34° 516	-2	46.2045	10·4	...	42° 604	+29° 483	-4	...	...	...	36° 060	+54° 260	0·70	46.2084	10·4
...	53° 767	+3° 430	-5	...	...	N	42° 574	+28° 539	0·75	46.2068	10·4	...	35° 872	-43° 393	-5	...	...
...	53° 670	+22° 428	-5	...	...	...	42° 555	-37° 724	-4	...	...	...	35° 853	-20° 890	-5	A	...
...	53° 581	+25° 294	0·85	46.2046	10·4	...	42° 516	+56° 176	-5	...	...	...	35° 689	-58° 913	-5	...	...
...	-52° 928	+46° 125	-5	...	...	...	-42° 265	-28° 089	-5	...	...	...	-35° 593	+11° 934	-1	46.2085	10·4
*	52° 746	+35° 170	1·00	46.2048	10·2	†	42° 238	+45° 010	0·85	46.2069	10·4	...	35° 244	-45° 707	-2	47.1823	10·4
...	52° 709	+28° 035	0·85	46.2047	10·4	...	42° 233	-51° 649	-1	47.1806	10·2	*	35° 221	-58° 940	1·50	47.1822	9·2
...	52° 620	+7° 053	-4	...	...	...	42° 094	-19° 003	0·70	...	...	...	35° 084	+58° 617	-5	...	...
...	51° 548	-23° 800	-5	...	...	...	41° 915	+18° 948	-5	...	...	...	34° 916	-24° 006	-3	...	...
V	101																
...	-51° 470	+52° 262	-1	46.2050	10·2	...	-41° 815	+8° 201	-5	...	...	...	-34° 909	-44° 221	-5	...	...
...	51° 453	+32° 833	0·80	46.2049	10·4	...	41° 634	-11° 070	-2	47.1807	10·4	...	34° 865	-55° 949	-5	...	...
†	51° 251	-59° 682	-1	47.1795	9·9	*	41° 581	+13° 038	2·00	46.2070	8·8	...	34° 860	+30° 716	-4	...	...
...	51° 179	-31° 844	-4	...	...	*	41° 360	-32° 221	3·00	47.1808	7·5	*	34° 642	+45° 292	1·00	46.2086	9·7
*	51° 043	+45° 841	1·80	46.2051	9·1	...	41° 301	-43° 962	-3	...	...	...	34° 495	-8° 542	-1	47.1824	10·4
*	-50° 992	+59° 543	3·00	45.1039	8·2	...	-41° 269	+27° 734	-1	...	...	...	-34° 250	+58° 772	1·10	45.2071	10·0
...	50° 658	+35° 112	-5	...	...	...	40° 917	+22° 238	0·90	46.2071	10·4	...	34° 176	-21° 984	0·95	47.1825	10·1
...	50° 651	+49° 435	-4	46.2054	10·4	...	40° 822	-22° 526	-1	...	...	...	34° 071	+21° 433	-5	...	...
...	50° 621	-7° 084	-3	...	...	α*	40° 710	-0° 149	0·95	46.2072	10·2	...	34° 057	+2° 907	-2	46.2087	10·4
...	50° 599	-33° 994	1·00	47.1797	9·9	...	40° 623	+6° 211	0·80	46.2073	10·4	...	34° 023	+41° 232	-1	46.2088	10·4
VI	111																
*	-50° 436	+14° 518	1·00	46.2052	9·8	...	-40° 594	+7° 439	1·00	46.2074	10·4	...	-33° 856	+34° 620	-5	...	...
*	50° 368	+13° 465	2·00	46.2053	9·0	†	40° 548	+15° 063	1·00	46.2075	10·0	*	33° 822	+39° 653	1·05	46.2089	9·8
*	50° 330	-13° 889	1·10	47.1798	9·6	...	40° 485	-9° 624	0·70	47.1809	10·4	*	33° 719	-8° 104	1·00	47.1826	10·1
...	50° 202	+49° 584	-1	46.2055	10·2	...	40° 319	+18° 312	-5	...	...	...	33° 601	+3° 381	0·75		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.				
181-240																		241-300			
181	-32°929	-30°838	-5	°	...	...	241	-25°603	+31°249	-5	°	...	...	301	-15°873	-52°141	-5	°	...	...
...	32°697	+2°126	0°70	46.2092	10°4	...	...	25°587	+37°009	-5	°	...	...	n	15°700	+9°754	0°90	46.2137	9°4	...
...	32°493	+13°079	0°75	46.2094	10°2	...	...	25°352	-54°289	-5	°	...	...	...	15°694	+30°716	-4	...	...	...
...	32°326	+2°235	-3	46.2093	10°4	...	...	25°322	-49°237	-1	°	...	...	...	15°466	+36°989	-3	...	...	...
*	32°308	+16°607	1°00	46.2095	10°0	...	...	25°301	+32°363	-1	46.2112	10°4	...	...	15°414	-17°573	-5	...	...	...
*	-32°079	-20°063	1°20	47.1829	9°4	†	...	24°801	+55°024	1°05	46.2113	10°0	...	...	-15°351	-23°789	0°90	47.1852	10°0	...
...	31°963	-44°569	-5	...	...	...	...	24°677	+50°929	0°70	46.2114	10°4	...	...	15°321	+6°754	0°90	46.2138	10°4	...
...	31°938	+18°074	-3	...	...	...	...	24°359	+30°593	-1	46.2115	10°4	...	...	15°282	+31°221	-4	...	...	...
...	31°707	+25°377	-2	46.2097	10°4	*	...	24°196	+4°597	1°10	46.2116	10°0	*	...	15°221	-37°450	1°20	47.1853	9°6	...	
*	31°687	+11°591	1°30	46.2096	9°4	...	...	24°178	-54°880	-5	°	...	...	...	15°205	+44°168	-4	...	...	...
191	-31°684	-25°016	-1	47.1830	10°1	...	251	-23°797	-52°171	-3	°	...	...	311	-15°180	+2°666	-2	46.2139	10°4	...
...	31°380	-29°114	-5	...	...	*	...	23°736	-45°114	1°20	47.1841	9°7	†	...	15°055	-29°515	1°00	47.1854	9°7	...
...	31°183	-36°761	-5	...	...	*	...	23°505	-37°141	1°00	47.1842	10°1	†	...	14°995	+6°315	-5	...	...	...
...	31°169	-26°011	-1	47.1832	10°4	...	...	23°489	-58°606	-5	°	...	...	...	14°945	+18°019	-4	...	...	...
*	31°102	-59°443	1°40	47.1831	9°7	...	...	23°486	+10°789	-5	°	...	...	...	14°913	+2°788	-5	...	...	...
*	-31°007	+28°135	1°60	46.2098	8°8	...	...	23°428	-7°229	1°00	47.1843	10°0	...	...	-14°771	-22°723	-5	...	...	...
...	30°947	+43°412	-2	...	...	...	...	23°413	+31°341	0°70	46.2117	10°4	...	...	14°701	+56°838	-1	45.2119	10°4	...
...	30°841	+56°323	-5	...	...	...	...	23°413	-3°615	-5	°	...	...	...	14°481	-31°034	1°20	47.1855	9°2	...
...	30°433	+52°675	0°70	46.2099	10°4	...	...	22°969	-55°305	-5	°	...	...	...	14°285	+31°539	1°00	46.2140	9°9	...
...	29°898	+31°521	0°70	46.2100	10°1	...	...	22°938	+40°215	-5	°	...	...	...	14°256	+50°202	-5	...	...	...
201	*	-29°801	-17°173	1°00	47.1833	10°0	...	261	-22°911	+12°201	-4	°	321	-14°170	+31°450	-5
...	29°738	+21°627	-5	...	...	*	...	22°306	+6°773	1°15	46.2118	9°9	...	...	13°957	-55°826	1°00	47.1856	10°1	...
...	29°600	+42°994	-1	...	...	...	...	22°228	-2°595	-5	°	...	...	...	13°902	-29°475	0°75	47.1857	10°2	...
...	29°486	-7°685	-5	...	...	*	...	22°156	+49°256	1°00	46.2120	10°1	...	...	13°660	+5°732	0°65	46.2141	10°4	...
N	29°477	+50°460	0°65	46.2103	10°2	...	...	22°127	+36°365	0°70	46.2119	10°1	*	...	13°437	+29°286	1°00	46.2142	9°7	...
*	-29°436	+32°471	2°00	46.2102	8°8	...	...	22°105	+39°023	-2	°	...	...	...	-12°988	+37°609	-3	...	...	...
*	29°416	+14°283	2°30	46.2101	8°3	*	...	22°081	+32°368	1°60	46.2121	9°1	...	...	12°645	-58°810	1°00	47.1858	10°2	...
...	28°987	+13°253	-3	...	...	...	...	22°009	-47°970	-5	°	...	...	...	12°614	-46°359	-5	...	...	...
...	28°874	+52°135	0°70	46.2104	10°2	*	...	21°645	+16°696	1°20	46.2122	9°7	...	...	12°563	+41°373	-5	...	...	...
...	28°828	-11°702	-1	...	...	...	...	21°576	+21°388	-5	°	...	...	...	12°534	+24°899	1°00	46.2143	9°9	...
211	...	-28°805	-8°261	-2	271	-21°248	+51°201	-2	46.2123	10°4	...	331	-12°405	+15°820	-2	46.2144	10°4	...
...	28°783	+31°295	-4	...	...	...	...	20°893	+48°555	0°70	46.2124	10°2	S *	...	12°354	-16°288	3°00	47.1859	7°9	...
...	28°721	+40°769	-1	...	...	...	...	20°810	+48°124	-1	46.2126	10°4	...	...	12°176	-53°847	-3	47.1860	10°4	...
...	28°675	-33°827	2	47.1834	10°4	...	...	20°809	+3°217	0°65	46.2125	10°4	...	...	12°170	+39°333	1°00	46.2145	10°2	...
...	28°604	-27°862	-3	...	...	...	...	20°688	+57°665	-5	°	...	...	...	11°949	-4°565	1°00	47.1861	9°8	...
S *	-28°265	+18°336	4°90	46.2105	6°9	...	...	20°419	+22°180	0°70	46.2127	10°2	*	...	11°724	+40°777	1°15	46.2146	9°6	...
*	28°028	+15°975	0°95	46.2106	10°2	†	...	20°335	+10°120	-3	46.2128	10°4	...	...	11°504	+38°125	-3	...	...	...
*	28°014	+21°654	1°00	46.2107	9°8	...	...	20°325	-20°751	-5	°	...	...	...	11°486	-0°057	1°30	46.2147	8°9	...
...	27°995	-8°470	-5	...	...	...	...	20°236	-15°665	-5	°	...	...	...	11°083	+34°210	0°95	46.2148	10°1	...
...	27°910	-6°780	-5	...	...	†	...	20°023	-16°527	-5	°	...	...	...	11°059	+56°222	-1	45.2128	10°4	...
221	...	-27°860	-3°780	-5	...	...	281	-20°007	-25°073	-3	°	...	...	341	-10°610	+35°276	-4	...	...	...
...	27°777	+11°581	-5	...	...	...	...	19°951	-4°050	0°70	46.2129	10°2	...	...	10°399	-21°408	-1	...	...	...
*	27°651	+31°576	1°00	46.2108	10°0	*	...	19°927	+58°325	1°05	45.2106	10°0	...	...	10°189	+17°883	0°80	46.2149	10°2	...
...	27°648	+33°832	0°70	46.2109	10°4	...	...	19°775	-48°035	0°85	47.1844	10°4	*	...	9°560	-30°270	4°00	47.1862	7°4	...
...	27°452	-10°345	-5	...	...	...	...	19°611	+4°027	-2	46.2130	10°4	*	...	9°440	+55°104	1°00	46.2151	9°7	...
...	-27°422	+44°538	-5	...	...	*	...	19°481	-58°868	1°40	47.1845	9°1	*	...	9°440	+38°928	3°00	46.2150	7°9	...
...	27°302	-18°547	-5	...	...	*	...	19°417	-2°629	1°00	46.2131	10°0	...	...	9°339	+2°812	0°70	46.2152	10°4	...
...	27°257	+37°913	-4	...	...	...	...	19°281	-15°174	0°90	47.1846	10°4	...	...	9°289	+34°669	0°65	...	...	...
...	27°172	+32°486	-2	46.2110	10°4	*	...	19°096	+31°364	1°00	46.2132	9°6	...	...	9°247	+9°105	-3	...	...	...
...	27°013	-43°443	-1	47.1835	10°2	*	...	18°188	+7°508	1°25	46.2133	9°4	S *	...	9°186	-53°996	3°00	47.1863	7°6	...	
231	...	-26°819	-44°096	0°90	47.1837	10°2	...	291	-17°539	+15°694	0°90	46.2134	10°4	*	...	8°812	-38°491	2°00	47.1864	8°4	...
*	26°800	-50°329	2°00	47.1836	8°8	*	...	17°265	-51°740	1°10	47.1847	9°7	*	...	8°774	-39°961	1°10	47.1865	9°6	...	
*	26°749	+37°833	1°50	46.2111	9°0	*	...	17°217	-51°436	1°15	47.1848	9°6	*	...	8°689	+19°129	1°00	46.2153	10°0	...	
*	26°509	-49°429	1°05	47.1838	9°9	...	...	16°821	-16°248	0°90	47.1849	10°4	...	...	8°557	-56°510	-4	...	...	...
...	26°254	-18°958	-5	...	...	...	...	16°723	+44°043	-3	46.2135	10°4	...	...	8°256	+54°246	-2	46.2154	10°4	...
...	-26°006	-38°587	-4	...	...	...	...	16°549	+50°226	0°90	46.2136	10°2	...	...	8°140	+55°509	-4	...	...	...
...	25°950	-2°72																			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
361-420																		
361	- 7.240	- 41.984	0.90	47.1868	10.2	421	*	+ 0.455	- 5.980	1.05	47.1886	9.7	481	+	9.479	- 55.637	- 5	...
...	7.208	+ 28.298	- 5	...	...	...	0.654	- 21.874	- 2	47.1888	10.4	...	*	9.508	+ 1.847	1.05	46.2190	9.7
...	7.129	- 2.307	- 5	...	...	*	0.962	- 38.327	1.00	47.1889	9.9	...	*	9.646	- 33.850	1.15	47.1907	9.6
...	7.049	- 22.585	0.70	...	...	*	1.187	+ 11.536	1.20	46.2172	9.6	...	*	9.687	+ 36.664	- 2	46.2189	10.2
...	6.992	+ 52.561	- 2	46.2156	10.4	*	1.481	- 12.635	1.00	47.1890	9.8	...	†	9.859	- 10.861	- 3	47.1906	10.4
...	6.983	+ 52.165	- 4	...	...	†	1.491	- 54.772	- 5	...	...	...	+	9.933	+ 44.384	- 5	...	...
...	6.766	+ 4.561	0.90	46.2157	10.4	...	1.565	+ 38.529	- 2	46.2173	10.4	...	*	9.960	- 53.537	- 1	...	...
...	6.757	- 13.730	- 4	...	...	*	1.787	- 26.038	2.50	47.1891	8.0	...	*	9.978	+ 24.045	- 2	...	...
...	6.396	- 54.546	- 3	...	...	...	2.178	- 33.784	- 1	...	...	...	*	10.051	+ 33.698	- 2	...	...
...	6.147	+ 39.305	- 5	...	...	*	2.198	- 33.920	1.80	47.1892	8.6	...	...	10.207	+ 39.790	0.75	46.2191	10.2
371	421-480																	
...	- 6.087	- 33.347	- 4	...	...	...	+ 2.228	+ 8.356	0.75	46.2174	10.2	491	+	10.277	- 4.203	- 4	46.2192	10.2
...	5.907	+ 44.237	0.70	46.2158	10.2	*	2.335	+ 11.506	1.00	46.2175	10.1	...	*	10.331	- 23.420	1.15	47.1908	9.2
...	5.758	- 43.257	- 4	...	...	*	2.537	- 27.474	1.10	47.1893	9.8	...	*	10.525	- 39.159	1.00	47.1909	9.9
*	5.678	+ 52.071	1.00	46.2159	9.9	...	2.571	- 48.277	- 5	...	...	...	*	10.616	+ 33.449	1.10	46.2193	9.8
*	5.412	+ 59.459	1.00	45.2139	10.0	S*	2.663	+ 40.977	1.80	46.2176	9.2	...	*	10.689	+ 15.938	0.90	46.2194	9.8
*	5.386	- 4.766	1.00	47.1869	9.7	*	2.713	+ 26.943	1.40	46.2177	9.6	...	*	10.745	- 51.170	- 5	...	...
*	5.321	- 40.817	1.00	47.1870	9.9	*	2.827	+ 8.072	2.40	46.2178	8.4	...	*	10.820	- 20.603	2.00	47.1910	8.8
...	5.240	+ 51.155	- 1	46.2160	10.4	...	2.924	+ 57.381	- 5	...	...	...	*	10.968	- 33.487	1.40	47.1911	9.1
...	5.203	+ 18.406	- 4	...	...	...	3.136	+ 30.384	- 2	46.2179	10.4	...	*	11.002	- 50.696	- 5	...	...
†	5.108	+ 0.499	- 5	M	...	...	3.291	- 0.610	- 3	...	...	S*	11.111	+ 17.737	2.20	46.2195	8.4	
381	481-540																	
...	- 5.003	- 32.338	0.95	47.1871	10.2	*	3.316	- 23.444	2.20	47.1894	8.4	501	+	11.221	+ 59.566	0.90	45.2177	10.0
...	4.971	+ 23.279	- 4	...	...	...	3.669	+ 37.350	1.00	46.2180	10.0	...	*	11.227	- 58.524	1.40	47.1912	9.6
...	4.969	- 27.412	0.90	47.1872	10.4	*	3.724	- 3.580	1.10	46.2181	9.8	N	...	11.232	- 59.104	1.00	47.1913	9.8
...	4.929	+ 28.040	0.70	...	...	S*	3.837	- 18.561	2.80	47.1895	7.9	...	*	11.275	+ 40.400	0.70	46.2196	10.2
...	4.829	+ 45.899	- 5	...	...	...	4.317	- 12.857	- 5	...	...	...	*	11.314	+ 52.412	- 5	...	...
...	4.806	+ 12.353	0.70	46.2161	10.4	...	4.324	- 8.236	- 5	...	...	...	*	11.467	+ 50.596	0.75	46.2197	10.2
...	4.258	- 34.408	- 1	...	...	*	4.347	- 5.834	1.10	47.1896	9.7	*	12.140	+ 4.014	2.00	46.2198	8.6	
*	4.107	- 3.590	1.00	46.2162	9.8	...	4.726	- 43.580	- 2	...	...	...	*	12.407	+ 56.876	- 1	...	...
*	4.077	+ 2.166	3.50	46.2164	7.4	...	5.046	+ 2.244	- 5	...	...	...	*	12.454	+ 17.765	- 3	...	...
...	3.944	+ 17.540	0.70	46.2163	10.4	...	5.493	- 46.031	0.70	47.1900	10.4	...	*	12.496	+ 8.760	- 5	...	...
391	511-571																	
...	3.785	- 16.140	- 5	...	...	*	5.599	- 10.056	1.05	47.1899	9.8	*	*	+ 12.596	- 30.328	1.00	47.1914	9.6
...	3.654	- 15.766	- 4	...	...	...	5.763	- 18.497	- 5	...	...	...	*	13.093	+ 58.218	- 5	...	...
...	3.644	- 39.550	- 5	...	...	*	5.774	+ 33.658	1.20	46.2182	9.6	...	*	13.158	+ 12.171	0.85	46.2200	10.2
*	3.527	+ 28.515	1.00	46.2165	9.7	*	5.782	- 57.504	1.20	47.1901	9.9	...	*	13.246	+ 50.949	0.80	46.2199	10.2
*	3.321	- 51.677	1.10	47.1874	9.6	...	5.790	+ 44.683	- 5	...	...	...	*	13.492	- 5.509	1.30	47.1915	9.0
...	3.299	+ 19.199	- 5	...	...	†	6.167	- 9.864	- 5	m	...	...	*	13.829	- 0.930	1.00	46.2201	9.8
...	3.183	+ 47.384	- 1	46.2166	10.4	...	6.219	- 11.763	1.00	47.1902	10.2	...	*	14.196	- 16.534	- 1	...	...
...	3.046	+ 41.192	- 2	...	...	...	6.267	- 24.287	- 5	...	...	...	*	14.372	- 3.063	6.00	46.2202	3.5
...	3.013	- 26.773	0.90	47.1875	10.4	...	6.644	- 46.999	- 5	...	...	...	*	14.384	+ 25.857	- 1	...	...
...	2.982	+ 43.456	- 4	...	...	...	6.892	- 41.273	- 2	...	...	...	*	14.797	- 40.509	1.10	47.1916	9.4
401	521-581																	
...	2.940	- 17.742	- 5	...	...	*	6.907	- 26.816	- 1	...	...	Nn*	+	14.832	- 2.562	10.00	46.2202	3.5
...	2.917	- 55.582	1.00	47.1876	10.0	...	7.290	- 54.290	- 4	...	...	†	14.880	+ 59.629	0.70	45.2185	10.0	
...	2.658	- 48.921	- 4	...	...	...	7.700	+ 19.101	0.80	46.2183	10.1	...	*	15.134	- 19.454	- 5	...	...
*	2.538	+ 50.826	1.00	46.2167	10.2	...	7.764	- 49.396	- 1	...	...	n*	15.324	- 3.455	2.80	46.2202	3.5	
*	2.469	+ 12.583	2.00	46.2168	9.2	*	7.832	+ 7.134	4.00	46.2185	7.3	...	*	15.348	- 28.667	- 3	...	...
...	2.268	+ 21.421	- 4	...	...	...	7.904	- 39.288	0.95	47.1903	10.2	...	*	15.516	- 54.837	- 5	...	...
...	2.023	- 53.644	1.00	47.1877	10.0	*	7.969	+ 29.185	2.00	46.2184	8.8	n*	15.791	- 3.771	1.60	46.2202	3.5	
*	1.358	- 8.871	1.00	47.1878	9.9	...	8.090	+ 45.975	- 2	...	...	...	*	16.036	+ 47.750	0.70	...	...
...	1.292	- 56.072	1.00	47.1880	10.0	...	8.090	+ 6.968	- 5	...	...	...	*	16.074	- 3.985	- 5	...	...
...	1.287	+ 52.475	- 5	...	...	...	8.092	+ 13.477	- 5	...	...	...	*	16.492	+ 28.278	- 5	...	...
411	531-591																	
...	- 1.240	- 4.628	0.90	47.1879	10.2	...	8.301	+ 17.529	- 2	46.2186	10.4	...	*	+ 16.555	+ 49.223	- 5	...	...
*	1.078	- 47.516	0.95	47.1882	10.4	...	8.356	- 14.251	- 3	...	...	*	16.687	- 0.110	1.40	46.2204	9.0	
...	0.633	- 3.730	- 4	...	...	...	8.406	- 42.063	- 3	...	...	...	*	16.689	- 26.043	0.70	47.1917	10.0
...	0.552	- 27.885	0.70	47.1883	10.4	...	8.535	+ 18.056	- 2	46.2187	10.4	...	*	16.737	+ 14.524	0.80	46.2203	10.0
...	0.501	+ 42.530	0.90	46.2169	10.0	*	8.825	+ 47.539	1.00	46.2188	10.1	...	*	16.741	+ 40.348	- 5	...	...
...	- 0.197	+ 37.30																

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
541-600																		
541	+17·058	-2·144	-5	o	...	...	+22·680	+37·602	0·65	o	...	...	+29·589	+27·097	-4	o	...
...	17·076	-36·361	0·70	47.1919	10·0	...	22·762	-45·506	-5	...	...	...	29·668	+7·336	-4	...	...
...	17·185	-32·080	-1	...	...	...	22·942	-4·233	-5	...	...	...	29·755	-23·269	-2	...	...
...	17·532	-22·389	-5	...	...	*	22·979	-49·289	1·00	47.1933	9·9	...	29·881	+48·739	-5	...	...
*	17·555	+21·623	1·05	46.2206	9·6	...	22·992	-52·429	-4	...	...	...	30·221	+34·784	2·00	46.2233	9·0
...	+17·581	-47·113	-5	...	...	...	+23·014	+37·054	0·65	...	...	...	+30·314	+5·741	-5	...	...
...	17·633	-29·123	-3	...	...	...	23·320	-53·495	-1	47.1934	10·2	*	30·775	-38·492	1·20	47.1951	9·2
*	17·809	+20·552	1·05	46.2208	9·6	...	23·484	+44·826	0·70	...	...	...	31·129	+19·501	-5	...	...
...	17·844	-14·261	0·90	47.1921	10·0	...	23·601	-31·859	-5	...	...	...	31·259	+24·014	-5	...	...
...	17·860	+59·056	0·65	45.2189	10·2	...	23·677	-17·438	-5	...	...	...	31·284	+38·037	-4	...	...
601-660																		
551	...	...	...	...	...	601	...	...	...	...	...	...	661	...	...	...	...
...	+17·961	+27·391	0·90	46.2207	9·9	...	+23·692	+49·593	0·70	46.2220	10·0	+	+31·436	+59·938	2·00	45.2220	8·8	
...	18·125	+30·909	-5	...	...	...	23·771	+39·192	-5	...	...	...	31·807	+12·943	-4	...	...
...	18·268	+46·376	-4	...	...	*	23·811	-46·226	2·40	47.1935	8·3	*	32·001	+53·365	1·00	46.2234	9·8
...	18·572	-17·032	-5	...	...	*	23·947	+42·274	1·00	46.2221	9·9	...	32·021	+23·873	0·90	46.2236	9·8
...	18·616	-4·018	-5	...	...	...	23·973	+2·853	0·90	46.2222	10·0	...	32·040	-18·582	0·70	...	...
...	+18·658	-0·969	-2	46.2209	10·0	...	+24·136	+12·735	0·95	46.2223	10·0	*	+32·173	-24·267	1·00	47.1952	9·8	
*	18·662	-10·851	1·00	47.1922	10·0	...	24·157	+10·319	0·95	46.2224	10·0	...	32·231	-2·047	-4	...	...
*	18·728	-43·911	1·15	47.1924	9·7	...	24·575	+48·306	-4	...	...	...	32·300	+52·847	-1	46.2235	10·0
*	18·731	-37·112	1·00	47.1923	9·9	...	24·691	+43·438	-4	...	...	...	32·404	+16·200	-5	...	...
...	18·858	-34·130	-2	...	...	...	24·706	+34·165	0·70	...	...	*	32·471	+4·428	2·00	46.2238	8·8
661-720																		
561	...	...	...	...	...	611	...	...	...	...	...	...	671	...	...	...	...
*	+18·872	+22·516	1·50	46.2210	9·2	...	+24·909	+22·698	-2	...	...	...	+32·586	-55·313	-5	...	...
...	18·959	-47·864	-5	...	...	*	25·041	+5·049	1·20	46.2225	9·3	*	32·672	+56·894	1·30	45.2227	9·2
...	19·112	+55·815	-5	...	...	*	25·348	-53·475	2·00	47.1936	8·8	...	32·797	+11·521	0·65	...	...
...	19·129	-59·172	-4	...	...	...	25·741	+35·464	-4	...	...	...	32·993	+50·760	1·00	46.2237	9·8
...	19·145	+16·207	0·95	46.2211	9·8	...	25·825	+34·865	-2	...	...	...	33·071	-3·371	-4	...	...
α*	+19·416	-0·051	1·20	46.2212	9·6	†	+25·933	+30·100	-4	...	...	...	+33·212	+9·148	-4	...	...
...	19·574	-8·398	-2	...	...	...	25·946	-11·168	-4	...	...	...	33·427	-26·240	0·85	47.1953	10·2
†	19·769	-24·852	0·70	47.1925	10·2	...	26·035	-5·801	0·85	47.1937	10·2	*	33·441	+6·269	1·05	46.2241	9·3	
†	19·803	+3·583	0·65	46.2214	10·0	*	26·151	+49·803	1·00	46.2226	9·8	...	33·550	+17·568	0·75	46.2240	10·2	
†	19·866	+39·881	-2	46.2213	10·2	*	26·273	+39·497	1·00	46.2227	9·9	*	33·742	+50·223	1·00	46.2239	9·8	
571																		
571	...	...	...	...	...	631	...	...	...	...	...	...	681	...	...	...	...
...	+20·013	-42·537	-5	...	...	...	+26·335	+3·022	-4	...	...	...	+33·754	+12·116	1·00	46.2242	9·9
*	20·043	-31·401	3·00	47.1926	8·2	...	26·370	+44·631	-5	...	...	*	33·906	-12·499	1·00	47.1954	9·7
*	20·701	-19·345	1·00	47.1928	9·8	...	26·379	+21·943	-2	...	...	...	34·008	-2·803	-4	...	...
...	20·744	-50·797	-4	...	...	...	26·720	-41·434	-4	...	...	...	34·042	+8·407	-2	...	...
...	20·746	+48·158	-5	...	...	...	26·768	-3·356	-5	...	...	...	34·080	-20·614	-3	...	...
...	+20·833	+41·793	0·65	46.2215	10·2	*	+27·039	-22·120	1·00	47.1938	9·6	...	+34·154	+7·931	-2	...	...
...	20·915	-32·461	-5	...	...	...	27·054	+3·384	-4	...	...	...	34·208	-1·751	0·90	46.2243	10·2
*	21·068	+7·823	1·00	46.2216	9·8	...	27·114	-10·213	-4	...	...	...	34·334	+39·053	-3	...	...
...	21·069	-32·442	0·70	47.1929	10·2	...	27·150	+17·854	0·70	...	...	...	34·382	-11·509	-4	...	...
...	21·071	+15·735	-1	...	...	*	27·178	-35·866	1·00	47.1939	9·6	...	34·433	+26·924	0·70	...	...
581																		
581	...	...	...	...	...	641	...	...	...	...	...	...	701	...	...	...	...
...	+21·107	+24·937	-2	...	...	*	+27·293	+48·104	1·00	46.2228	9·8	*	+34·461	+58·429	1·30	45.2230	9·2
...	21·109	+8·703	-5	...	...	...	27·370	-45·679	-4	a	...	...	34·474	+49·180	-5	...	...
...	21·381	-45·109	-5	...	...	*	27·469	-10·892	1·00	47.1940	9·6	*	34·648	-41·183	1·10	47.1955	9·0
...	21·411	-5·791	-5	...	...	...	27·540	+13·324	-4	...	...	...	34·909	+45·755	-1	46.2244	10·2
...	21·412	+58·438	-4	...	...	*	27·840	-17·208	1·10	47.1943	9·2	...	34·989	+43·057	-4	...	...
...	+21·594	-45·426	-5	...	...	...	+27·880	-9·652	0·75	47.1942	10·2	...	+35·020	+28·507	-1	46.2245	10·2
...	21·616	-3·075	-5	...	...	...	27·883	-11·334	0·70	47.1941	10·2	*	35·088	-55·035	1·00	47.1956	9·7
...	21·620	-0·952	-5	...	...	...	27·923	+26·197	-4	...	...	...	35·333	-31·378	-3	...	...
...	21·684	+40·845	0·65	46.2217	10·0	*	28·004	-24·188	2·10	47.1944	8·4	...	35·457	+45·276	-1	46.2246	10·2	
...	21·805	-4·667	-5	...	...	...	28·116	+26·677	-4	...	...	...	35·546	-42·633	1·25	47.1958	9·3
591																		
591	*	+21·835	+39·466	1·20	46.2218	9·3	...	+28·175	+52·607	-5	+35·589	-33·012	0·80	47.1957	10·2
...	21·895	+52·131	-4	...	...	*	28·431	+22·833	2·00	46.2229	8·6	...	35·601	-45·770	1·00	47.1959	10·2
...	21·901	-40·439	0·95	47.1930	10·2	*	28·557	-49·480	1·00	47.1945	9·8	*	35·786	-45·450	1·10	47.1960	9·4	
...	21·968	+51·347	-2	...	...	*	28·596	-0·241	1·05	46.2230	9·6	...	36·010	+56·980	-1	45.2236	10·2
*	22·140	-47·514	1·00	47.1931	9·9	*	28·700	-2·233	1·00	46.2231	9·6	*	36·408	-3·362	2·00	46.2248	8·8	
...	+22·281	+25·833	-4	...	...	*	+28·813	-57·665	1·10	47.1947	9·6	*	+36·616	-35·390	1·00	47.1961	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
721-780																	
721	+37.023	-12.101	-5	o	...	781	+46.604	+17.792	0.80	46.2264	10.0	841	+57.590	-28.707	1.40	47.1994	9.2
...	37.031	-41.834	-5	...	...	...	46.672	+31.789	1.00	46.2263	9.9	...	57.616	-41.440	1.20	47.1995	9.7
...	37.034	-0.184	-4	a	...	...	46.703	-1.260	-4	...	...	...	57.665	-10.054	0.70	47.1993	10.2
...	37.593	-9.062	-5	...	...	...	46.853	+7.081	-5	...	...	...	57.710	+23.775	0.80	46.2284	10.0
...	38.027	-4.051	-4	...	...	...	47.035	+12.718	-2	...	...	...	57.722	-19.348	-1	...	...
*	+38.193	+17.685	1.00	46.2249	9.4	...	+47.182	-3.861	-5	...	...	*	+58.078	+42.976	4.40	46.2283	7.4
*	38.257	+2.085	1.00	46.2250	9.5	...	47.416	+43.222	-5	...	...	*	58.093	+11.240	-5	...	...
...	38.365	-7.711	-5	...	...	...	47.760	+9.428	-5	...	...	*	58.301	+21.352	2.00	46.2286	8.5
...	38.636	-45.589	-5	...	...	...	47.854	+7.342	-5	...	...	*	58.634	+52.877	1.30	46.2285	9.8
...	38.646	+15.770	0.70	46.2251	10.2	...	47.949	+13.252	0.65	46.2265	10.2	*	59.048	+4.978	2.60	46.2288	8.3
731	*+38.782	-46.375	1.00	47.1962	10.0	791	+47.989	+13.474	-1	46.2266	10.2	851	+59.052	-39.210	-1	47.1997	10.2
*	38.926	+20.572	1.00	46.2252	9.7	...	48.052	-53.588	-4	47.1981	10.2	...	59.251	+8.983	-5	...	...
...	38.940	+51.543	-4	...	...	...	48.109	+33.079	-5	...	...	+	59.315	-14.786	1.30	47.1996	9.2
*	38.973	+22.041	1.20	46.2253	9.6	...	48.288	-32.204	-2	...	...	...	59.390	+26.484	0.65	46.2287	10.2
...	39.141	-17.667	0.75	...	...	...	48.302	-28.809	-1	...	...	...	59.649	-7.942	-3	...	...
...	+39.156	+23.213	0.70	...	...	...	+48.387	-43.733	-1	47.1982	10.2						
*	39.454	-31.949	1.00	47.1963	9.9	*	48.443	-47.034	1.05	47.1983	10.0						
...	39.472	-54.397	-1	47.1964	10.2	...	48.480	+27.311	1.00	46.2267	10.0						
S+	39.916	+39.081	3.80	46.2254	7.4	*	49.131	+1.430	1.00	46.2269	10.2						
...	40.038	-38.501	-4	...	...	+	49.649	+18.603	1.30	46.2270	9.2						
741	+40.167	-40.271	1.00	47.1965	10.2	801	+49.771	+36.344	0.65	46.2268	10.2						
...	40.324	-32.911	-3	...	...	...	49.817	+1.299	-4	...	...				
*	40.365	-53.718	1.40	47.1966	9.7	*	49.993	-22.204	1.10	47.1984	9.8						
...	40.427	+21.724	0.85	46.2255	10.2	...	50.110	-49.655	-5	...	...				
...	40.619	+38.027	0.70	46.2256	10.0	...	50.368	+3.543	-4	...	...				
*	+41.115	+49.397	1.10	46.2257	9.8	...	+50.757	+14.894	0.85	46.2272	10.0						
...	41.553	+36.995	-1	...	...	*	50.833	-50.195	1.50	47.1986	9.6						
*	41.828	+38.044	1.20	46.2258	9.4	*	50.895	+52.346	1.80	46.2271	9.2						
...	41.828	-16.216	-2	...	...	...	51.014	+11.605	-5	...	...				
...	41.883	-18.835	-3	...	...	...	51.200	-7.754	-4	...	...				
751	+41.982	-23.231	-5	...	...	811	+51.836	+14.917	-5	...	...				
...	42.072	-30.903	0.95	47.1967	10.2	...	52.108	-23.529	-1	47.1987	10.2						
...	42.214	-3.102	-5	...	...	...	52.580	+21.506	-5	...	...				
*	42.299	-28.529	2.00	47.1968	9.1	*	52.607	+24.719	1.00	46.2274	9.8						
...	42.486	+36.645	-5	...	...	...	52.699	-19.039	-1	...	...				
†	+42.506	-24.773	-5	...	...	*	+52.781	+15.236	1.00	46.2275	9.7						
...	42.703	+20.727	-4	...	...	...	52.825	-24.029	-5	...	...				
...	42.820	-45.510	-4	...	...	*	52.882	+48.053	1.40	46.2273	9.7						
*	42.977	-15.902	1.00	47.1969	9.8	...	53.185	-13.577	0.95	47.1988	10.0						
...	42.979	-25.480	-2	...	...	...	53.334	-5.211	-2	...	...				
761	+43.109	-6.646	-1	...	...	821	+53.403	+46.236	-4	...	...				
...	43.267	-30.572	-3	...	...	...	53.557	+16.652	0.70	46.2276	10.0						
...	43.392	+21.880	-2	...	...	*	54.005	-26.542	1.10	47.1989	9.8						
*	43.401	-3.791	1.20	46.2260	9.6	*	54.062	+17.256	1.00	46.2277	9.7						
...	43.436	+31.138	0.95	46.2259	9.9	...	54.928	-13.071	0.80	47.1990	9.8						
*	+43.976	-45.670	1.40	47.1971	9.6	...	+55.175	-2.930	-1	46.2279	10.2						
†	44.141	+34.975	-3	...	...	*	55.267	+39.766	1.40	46.2278	9.2						
...	44.154	-16.444	-3	47.1970	10.2	...	55.422	+0.595	-2	...	...				
S+	44.706	-15.595	2.00	47.1972	8.6	†	55.677	-14.829	1.00	47.1991	9.7						
†	44.714	+17.966	1.05	46.2261	9.8	†	55.788	+25.009	-1	46.2280	10.2						
771	*+44.925	-45.259	1.00	47.1975	9.9	831	+55.947	-22.142	-5	...	...				
...	45.061	+27.465	-1	...	...	*	56.152	+18.766	1.05	46.2281	6.0						
...	45.070	-45.441	1.00	47.1976	10.0	SN*	56.324	+18.204	5.00								
*	45.595	-15.519	1.15	47.1974	9.4	...	56.389	-32.444	-3	...	...				
*	45.915	-14.332	1.60	47.1977	9.0	...	56.571	-6.577	-4	...	...				
...	+46.056	-55.214	1.00	47.1980	9.9	*	+56.600	-2.336	1.20	46.2282	9.6						
...	46.128	+34.310	-5	...	...	...	56.670	-2.196	-5	...	...				
...	46.271	-2.725	-5	...	...	*	56.897	-6.879	1.05	47.1992	9.8						
...	46.280	-37.397	0.65	47.1979	10.2	...	57.276	+34.127	-2	...	...				
...	46.429	+41.564	0.65	46.2262	10.2	...	57.303	+7.354	-4	...	...				

833. Remeasure 1918, $x = +56.310$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
1-60																		
I	-60.014	-3.401	-3	°	-54.889	+9.312	-2	°	121	-49.030	-18.983	0.90	°	...
†	59.997	-16.506	-1	...	...	...	54.872	-37.544	-1	47.1979	10.2	†	48.837	-5.147	0.70	...	...
...	59.894	+30.859	1.00	46.2259	9.9	*	54.819	+13.132	1.00	46.2265	10.2	*	48.828	+17.337	1.10	46.2277	9.7	
...	59.860	+22.363	-5	...	...	...	54.785	+13.356	0.90	46.2266	10.2	...	48.746	-23.976	-1	...	...
...	59.860	-19.126	-2	...	...	*	54.735	+27.199	1.20	46.2267	10.0	*	48.726	-13.512	1.10	47.1988	10.0
...	-59.729	+18.238	-5	...	...	...	-54.713	+7.230	-2	...	...	...	-48.648	-15.573	-5	...	...
...	59.650	+21.618	-1	...	...	...	54.536	+12.018	-5	...	...	...	48.638	-22.513	-3	...	...
...	59.595	-23.525	-4	...	...	...	54.508	-55.378	-1	47.1980	9.9	...	48.472	+36.959	-5	M	...
†	59.294	+34.707	-2	...	...	...	54.144	+36.906	-5	...	...	*	48.335	+39.868	2.00	46.2278	9.2
...	59.271	-31.197	0.95	47.1967	10.2	...	54.030	+47.223	-4	...	...	...	47.879	-23.313	-5	...	...
II	* -59.133	-28.809	2.00	47.1968	9.1	...	53.978	+28.090	-5	...	...	...	47.853	+12.190	-4	...	...
†	59.025	-25.051	-4	...	...	...	53.940	+42.656	-1	...	...	...	47.823	-28.161	-5	M	...
...	59.022	-6.907	1.00	...	...	*	53.741	+36.265	1.00	46.2268	10.2	...	47.549	+1.981	-3	...	...
...	58.997	-14.665	-5	...	...	...	53.688	-23.455	-5	M	...	*	47.490	-26.436	1.20	47.1989	9.8
*	58.853	-16.153	1.05	47.1969	9.8	...	53.592	-13.296	-4	...	...	...	47.454	-6.484	-2	...	...
*	-58.816	-4.038	1.60	46.2260	9.6	...	-53.433	+10.744	-5	...	...	...	-47.431	+19.512	-5	...	...
...	58.544	-25.749	-2	...	...	*	53.273	+18.533	2.00	46.2270	9.2	...	47.349	+25.141	1.00	46.2280	10.2
...	58.364	-50.270	-5	...	...	*	53.252	+1.347	1.05	46.2269	10.2	...	47.167	+39.968	-5	...	...
...	58.269	+21.105	-5	...	...	...	53.162	+43.451	-5	...	...	*	47.077	-2.806	1.00	46.2279	10.2
*	58.197	+17.752	1.40	46.2261	9.8	...	53.116	-28.889	-1	...	...	...	46.998	+52.059	-5	...	...
21	...	...	...	...	...	81	...	...	...	...	...	...	141	...	...	...	...
...	-58.147	+27.238	-1	...	...	*	-53.104	+52.312	2.00	46.2271	9.2	*	-46.981	-12.941	1.15	47.1990	9.8
...	58.089	-30.831	-1	...	...	...	53.048	+16.338	-5	...	...	...	46.941	+0.730	0.70	...	...
...	58.065	-45.768	-5	...	...	...	53.022	-32.285	-1	...	...	...	46.926	+24.570	-5	...	...
...	58.018	-22.501	-5	...	...	...	52.756	-10.925	-5	...	...	n *	46.780	+18.915	1.20	46.2281	6.0
...	57.656	-16.661	-1	47.1970	10.2	...	52.591	-53.696	-2	47.1981	10.2	...	46.693	+18.975	-5	B	...	
...	-57.637	-9.112	-5	...	...	...	-52.560	+1.237	-1	...	...	S Nn*	-46.573	+18.366	6.00	46.2281	6.0
†	57.417	+24.839	-5	...	...	...	52.549	-43.818	1.00	47.1982	10.2	...	46.455	+57.653	-3	...	...
...	57.349	+3.187	-5	...	...	...	52.394	-47.108	1.10	47.1983	10.0	*	46.193	-14.693	1.40	47.1991	9.7
...	57.291	+34.116	-4	...	...	...	52.185	+36.463	-5	...	...	...	46.153	+34.302	0.95	...	...
...	57.225	+41.383	0.90	46.2262	10.2	...	52.180	+7.622	-4	...	...	...	46.098	-20.609	-5	M	...
31	...	...	...	...	...	91	...	...	...	...	...	...	151	...	...	...	...
S*	-57.123	-15.797	2.50	47.1972	8.6	...	-52.083	+3.496	0.70	...	...	...	-45.855	-56.408	-5	...	...
...	57.100	+23.253	-5	...	...	†	52.044	+14.860	0.95	46.2272	10.0	...	45.690	-21.985	-1	...	...
*	56.888	-45.883	2.00	47.1971	9.6	...	51.725	+30.321	-5	...	...	...	45.669	+25.884	-3	...	...
*	56.669	+31.622	1.00	46.2263	9.9	...	51.693	+11.586	-3	...	...	*	45.663	-2.173	1.30	46.2282	9.6
...	56.383	+27.933	-5	...	...	...	51.692	-13.333	-5	M	...	...	45.631	-37.775	-5	...	...
...	-56.340	+22.455	-5	...	...	*	-51.633	-22.247	1.10	47.1984	9.8	*	-45.601	+43.182	4.60	46.2283	7.4
...	56.309	+43.070	-2	...	...	...	51.113	-48.491	-5	...	...	...	45.594	-2.027	-2	...	...
...	56.309	+0.359	-5	M	...	*	50.988	+48.077	1.50	46.2273	9.7	...	45.566	-6.395	0.65	...	...
...	56.303	+41.093	-5	M	...	...	50.965	+14.919	-2	...	...	...	45.432	-13.467	-5	M	...
*	56.290	+17.630	1.00	46.2264	10.0	...	50.920	+47.763	-5	...	...	*	45.397	+53.075	1.40	46.2285	9.8
41	*	-56.241	-15.688	1.50	47.1974	9.4	...	-50.890	-7.766	0.65	-45.397	+20.758	-4
...	56.152	+19.951	-5	...	...	...	50.838	+37.919	-4	...	...	*	45.383	+23.967	1.10	46.2284	10.0
...	56.089	-12.725	-5	...	...	...	50.639	-49.693	-4	...	...	...	45.300	-17.279	-3	...	...
...	55.980	-2.891	-2	...	...	*	50.520	+24.756	1.00	46.2274	9.8	...	45.262	+7.540	0.70	...	...
*	55.959	-45.448	0.95	47.1975	9.9	...	50.441	-30.286	-4	...	...	*	45.240	-6.691	1.30	47.1992	9.8
*	-55.958	-14.504	1.80	47.1977	9.0	...	-50.438	+21.537	-4	...	...	...	-45.163	+29.378	-4	...	...
...	55.893	-12.466	-5	...	...	...	50.405	+46.264	-1	...	...	...	45.118	+6.137	-5	...	...
...	55.876	-26.754	-5	...	...	...	50.332	-2.500	-2	...	...	...	45.103	+40.045	-2	...	...
...	55.806	-45.629	0.95	47.1976	10.0	...	50.273	+42.871	-5	...	...	...	44.996	-11.373	-5	...	...
...	55.796	-11.447	-5	...	...	...	50.196	-45.276	-5	...	...	...	44.992	-17.905	-5	M	...
51	...	...	...	...	...	III	...	...	...	...	...	...	171	...	...	...	...
...	-55.729	-6.929	-5	...	...	†	-50.031	+15.271	1.30	46.2275	9.7	...	-44.943	-51.373	-5	...	...
...	55.723	+6.938	-4	...	...	*	49.902	-50.187	1.40	47.1986	9.6	...	44.918	-32.270	0.70	...	...
...	55.707	+12.567	1.00	...	...	...	49.834	+20.592	-3	...	...	...	44.842	-5.792	-5	...	...
...	55.615	-12.528	-5	M	...	...	49.784	-23.617	-1	...	...	*	44.729	+21.562	2.00	46.2286	8.5
...	55.595	-1.418	-2	...	...	...	49.489	+42.632	-5	...	...	...	44.619	+11.457	-2	...	...
...	-55.323	+14.582	-5	...	...	...	-49.485	-23.498	1.05	47.1987	10.2	...	-44.603	+6.816	-1	...	...
...	55.312	+25.661	-5	...	...	...	49.320	+16.722	1.00	46.2276	10.0	*	44.353	-9.863	1.00	47.1993	10.2
...	55.279	+32.949	-4	...	...	...	49.129	+16.830	-5	...	...	...	44.141	-13.524	-4	...	...
†	55.029	-4.003	-4	...	...	...	49.096	-9.520	-5	...	...	...	44.064	+42.206	-4	...	...
†	54.982	-51.461	-5	...	...	...	49.086	-27.990	-5	...	...	...	44.010	-19.138	1.00	...	...

L measured from 1, 232, 476, 744, 1020, 1306.
C „ „ III, 363, 611, 890, 1190, 1430.

144, 146. C.P.D., mass.
146. Remeasure 1914, x = 46°.583.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
181-240																		
181	* -43°847	-28°484	1°40'	47.1994	9°2		241	-39°652	+12°512	-5	...	...	301	-34°065	+3°915	1°15'	46.2307	9°6
...	43°807	+26°739	1°05'	46.2287	10°2		...	39°571	+17°546	0°85	...	...	*	34°007	+2°887	1°00	46.2308	10°0
...	43°737	+35°163	-1	...	...		...	39°553	-18°558	-2	...	...	...	33°925	+9°644	1°00	...	...
+	43°553	+49°676	1°20'	46.2289	9°8		...	39°229	-8°817	-5	M	...	...	33°865	-12°582	-5	M	...
...	43°471	-27°299	-4	...	...		...	39°126	+1°699	-5	...	...	...	33°855	+12°554	-5	M	...
*	-43°438	+5°220	2°60'	46.2288	8°3	*	-	39°105	-7°647	1°00	47.2000	10°2	...	-33°783	+37°320	-5	...	...
*	43°413	-41°213	1°30'	47.1995	9°7		...	38°816	-25°529	-5	M	...	...	33°764	-36°441	0°70	...	...
...	43°392	+9°231	-1	...	...		...	38°697	-35°617	-4	...	...	...	33°675	+15°427	-5	...	...
...	43°089	-22°259	-5	M	...		...	38°611	-28°106	-1	...	...	...	33°671	+52°463	-5	...	...
...	42°987	+24°962	1°05'	46.2291	10°2		...	38°433	-46°537	1°00	47.2001	10°2	...	33°671	+20°973	0°80	...	...
191	* -42°823	+7°192	1°00	46.2290	10°2		251	-38°416	-34°227	-5	...	...	311	-33°403	-13°957	1°30	47.2009	9°6
...	42°814	+9°607	-5	...	...		...	38°341	+17°350	-2	...	...	...	33°390	+15°821	-5	...	...
...	42°803	+41°959	-4	...	...		...	38°189	-28°921	-1	...	...	...	33°354	-25°811	-4	M	...
...	42°594	-30°874	-4	...	...		...	38°149	-38°191	-5	M	...	...	33°325	+19°119	-4	...	...
...	42°573	+29°935	-4	...	...		...	38°053	+10°644	0°65	...	...	*	33°162	-50°514	1°10	47.2010	9°8
*	-42°560	-14°517	1°80'	47.1996	9°2		...	37°917	+24°629	-5	...	...	...	-33°092	-1°375	-4	M	...
...	42°525	+13°201	-5	...	...		...	37°689	+40°991	-1	46.2297	10°2	...	33°046	-30°543	0°90	...	...
...	42°494	+48°410	0°85	46.2292	10°2	*	...	37°284	-20°059	1°30'	47.2003	9°3	...	32°958	+45°277	-4	...	...
...	42°451	-7°681	0°80	...	...		...	37°270	+43°962	1°00	46.2298	10°2	...	32°949	+20°861	-4	...	...
...	42°162	-48°058	-3	...	...	*	...	37°124	-5°824	1°00	47.2004	10°2	...	32°905	-42°973	-4	...	...
201	...	...	...	...	...	261	...	...	...	...	...	321	...	...	...	...	...	...
...	-42°057	-38°929	0°75	47.1997	10°2		...	37°085	-39°532	-5	M	...	...	-32°765	+42°203	1°00	46.2309	10°2
...	41°982	-48°626	-3	...	...		...	37°063	-3°940	-5	M	...	...	32°728	+9°176	0°90	...	...
...	41°969	-6°977	0°80	...	...		...	37°062	-52°458	1°00	47.2002	10°0	...	32°694	-29°791	-5	M	...
...	41°967	+45°721	-5	...	...		...	36°872	-21°740	-4	...	...	...	32°645	-57°375	-5	M	...
...	41°893	-7°486	0°70	...	...		...	36°779	+36°613	-4	...	...	...	32°618	-2°095	-5	M	...
...	-41°892	+21°207	-5	...	...		...	36°747	-26°378	-5	M	...	...	-32°428	-6°519	-5	B	...
...	41°822	+25°323	-4	...	...		...	36°619	-22°727	-5	M	...	...	32°410	+37°010	-5	...	...
*	41°719	+39°275	2°10'	46.2294	8°6	*	...	36°556	+18°250	1°20'	46.2300	9°6	...	32°373	+29°140	-4	...	...
...	41°656	+14°663	-2	A	...	*	...	36°525	-1°495	1°45	46.2299	9°4	...	32°290	-26°861	-5	M	...
...	41°605	+2.663	-5	...	...	†	...	36°376	-0°144	-5	M	...	...	32°284	+46°728	-4	...	...
211	*	-41°589	+22°773	3°00	46.2293	8°0	†	-36°332	-44°997	-1	47.2005	10°2	...	32°185	-23°360	-5	M	...
...	41°500	+46°437	1°15'	46.2295	10°0	...	36°279	-52°887	-4	...	...	...	32°100	-22°009	0°90	...	...
...	41°349	+6°539	-4	...	...		...	36°224	+50°190	-1	...	...	...	32°065	-3°080	-4	M	...
...	41°300	+17°257	-5	...	...		...	36°215	-12°242	0°70	...	...	*	31°982	-18°240	1°40	47.2012	9°4
...	41°243	+21°998	-5	...	...		...	36°124	-36°410	0°65	...	...	...	31°968	-46°058	-3	...	...
...	-41°222	+14°650	-1	...	...	*	...	35°973	-47°872	1°20'	47.2006	9°8	...	-31°831	+7°326	-5	M	...
...	41°160	-44°327	0°65	...	...	*	...	35°965	+25°606	2°00	46.2301	8°7	...	31°811	+56°010	-5	...	...
...	41°095	-13°119	-4	...	...		...	35°963	-0°449	-3	A	...	...	31°747	+20°607	-4	...	...
...	40°936	-9°182	0°65	...	...		...	35°706	+5°347	0°75	...	...	...	31°731	+23°672	-4	...	...
...	40°931	-8°499	-5	M	...		...	35°567	+41°261	-5	...	...	...	31°677	-43°004	-1	...	...
221	*	-40°911	-32°161	1°20'	47.1999	9°8	*	-35°525	+23°701	1°90'	46.2302	9°0	...	-31°649	-17°180	-5	M	...
...	40°850	+17°960	-5	...	...		...	35°373	-23°550	-1	...	...	...	31°637	-31°864	-5	M	...
...	40°807	-36°211	-1	...	...		...	35°326	-8°234	-5	M	...	...	31°564	+27°376	0°90	46.2310	10°2
*	40°789	+20°066	1°15'	46.2296	9°8		...	35°300	-18°853	-2	...	...	*	31°393	+19°581	1°00	46.2311	9°8
...	40°759	+21°474	0°80	...	...		...	35°248	-17°224	-5	M	...	...	31°197	-1°056	-4	M	...
...	-40°739	-2°490	-5	M	...		...	35°240	-15°622	-2	...	...	...	-31°191	+0°122	-4	...	...
...	40°617	-21°002	0°70	...	...	+	...	35°120	+9°688	2°10'	46.2303	8°5	...	31°176	+17°384	0°90	...	...
...	40°534	-32°050	-4	...	...	*	...	35°001	-5°981	1°00	47.2007	9°8	*	31°023	+38°743	1°00	46.2312	9°8
...	40°433	+51°349	0°75	...	...		...	34°876	-8°404	0°80	...	...	...	30°977	+7°508	-5	...	...
...	40°285	+42°253	-4	...	...		...	34°834	-20°337	1°00	...	...	...	30°946	+42°510	1°00	...	...
231	...	-40°230	+38°133	-3	...	...	†	-34°484	+24°819	0°80	...	...	351	...	...	...	...	...
...	40°064	-12°039	-4	...	...	S *	34°475	+49°007	4°00	46.2306	7°3	...	30°910	+22°292	-5	M	...	
...	39°963	-32°873	-5	...	...	...	34°421	-8°560	0°90	...	...	...	30°812	-1°522	-4	M	...	
...	39°912	+18°496	0°75	...	...	...	34°355	+34°468	0°95	...	...	...	30°750	+5°332	-5	...	...
...	39°878	+6°682	0°95	...	...	...	34°318	+8°926	0°90	46.2304	10°2	...	30°727	-26°554	0°75	A	...	
...	-39°863	+18°541	-5	...	...	*	-34°281	-9°483	1°00	47.2008	10°2	...	30°678	-28°313	-5	M	...	
...	39°821	+25°539	-5	...	...		34°245	-43°548	-4	...	...	*	30°658	+17°829	-4	...	...
...	39°787	+13°928	-5	...	...		34°173	+10°777	-5	...	...	...	30°486	+6°652	-2	...	...
...	39°787	-33°937	-5	M	...	*	34°147	+1°182	1°15	46.2305	9°4	...	30°420	-30°273	-5	M	...	
...	39°695	+26°306	-2	...	...		34°081	-22°582	0°70	...	...	*	30°404	+56°742	1°10	45.2305	9°8	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
361-420																			
361	-30°178	+38°290	1°30	46.2314	9.6		421	-25°195	-18°279	1°20	47.2020	9.7	481	-19°667	+7°354	0°65	...	...	...
+	30°137	-40°764	-1	...	...			25°185	+1°476	-5	...	...	*	19°620	-13°360	1°00	47.2028	9°9	
...	30°102	+49°821	0°70	46.2315	10.2			25°133	+56°669	0°95	45.2313	9.8	...	19°513	-30°485	0°90	...	...
...	30°002	-38°306	-5	...	...			25°081	-54°550	0°65	...	...	*	19°496	+38°830	1°00	46.2337	9°8	
...	29°897	-31°275	0°90	...	...			25°072	-4°228	-5	M	...	*	19°434	+47°340	1°00	46.2338	10°2	
...	-29°856	+5°549	-4	...	...			25°050	+58°140	-5	...	...	*	19°407	-58°583	-1	47.2029	10°2	
...	29°851	-32°854	-5	M	...			25°043	-40°984	0°70	...	...	*	19°338	+39°313	1°20	46.2339	9°4	
...	29°723	+14°012	-4	...	...			25°038	+32°359	-2	...	...	*	19°146	+51°703	-1	...	...
...	29°691	+44°979	0°70	...	...			24°848	+37°270	1°05	46.2326	10.2	...	19°075	+46°110	-3	...	...
...	29°609	-25°988	-5	M	...			24°796	+27°439	-5	...	...	*	19°054	-10°040	2°00	47.2031	8°7	
421-480																			
371	-29°507	+50°163	0°65	...	...		431	-24°763	+18°901	-3	...	...	491	-19°022	-36°008	-4	...	...
...	29°472	-36°312	-5	...	...			24°743	+12°056	1°10	46.2327	10.2	*	19°019	-45°487	1°10	47.2030	9°8	
*	29°421	+18°281	1°20	46.2316	9.8			24°646	-22°195	1°00	47.2021	10.2	*	19°001	+55°228	1°05	46.2340	10°0	
...	29°358	-31°921	1°00	...	...			24°638	+34°979	-1	...	...	...	18°957	+52°603	-5	...	...
*	29°314	+7°122	1°00	46.2317	10.2			24°568	+17°631	-3	...	...	...	18°952	-0°499	-5	M	...	
*	-29°273	-38°795	1°10	47.2013	10.0			24°432	-3°149	-4	M	...	...	-18°900	+31°429	-4	...	...
...	29°203	+17°810	0°95	...	...			24°379	-0°003	-5	M	...	...	18°866	+24°525	-2	...	...
*	28°984	-39°686	1°20	47.2014	10.0			24°032	+59°564	4°00	45.2315	7.7	...	18°638	-4°519	-5	M	...	
...	28°926	+11°861	-5	...	...			23°924	-20°757	-5	M	...	...	18°506	+49°860	-1	...	...
...	28°876	+43°263	-5	...	...			23°845	+40°231	-4	...	...	*	18°479	+6°378	1°00	46.2341	9°7	
481-540																			
381	-28°835	-24°735	-5	M	...	...	441	-23°811	-24°593	-4	...	...	501	-18°396	+28°479	0°70	...	...
*	28°620	+9°483	1°15	46.2318	10.0	...		23°757	+3°265	-5	M	...	*	18°383	-15°658	1°60	47.2032	9°2	
...	28°537	-53°335	0°80	47.2015	10.2	...		23°684	-19°887	-5	M	...	...	18°352	-5°908	-4	M	...	
...	28°512	+28°696	-5	...	...			23°445	-30°461	1°00	47.2022	10.2	...	18°292	+43°919	-5	...	...
...	28°501	-9°201	-5	M	...	...		23°440	-36°960	-5	...	...	...	18°292	+10°844	0°90	...	...
...	-28°333	+17°876	-1	...	...			23°430	+0°049	0°70	α	...	...	-18°238	-17°890	-5	M	...	
...	28°266	+7°884	-5	...	...			23°382	-35°329	0°90	...	...	*	18°181	+4°304	1°20	46.2342	9°6	
...	28°196	-4°076	-5	M	...	n*		23°301	+3°980	1°00	46.2328	9.8	*	18°110	+52°679	2°00	46.2343	8°8	
...	28°128	+19°045	-5	...	...	n*		23°121	+3°836	1°00	46.2328	9.8	...	18°084	+33°513	0°90	...	...
...	28°122	+7°547	-5	...	...	...		23°034	-10°287	-4	...	...	...	17°962	-6°955	0°70	...	...
451-511																			
391	-27°984	+18°143	-4	...	...	...	451	-22°964	+41°437	-5	...	...	511	-17°944	+35°505	-5	...	...
*	27°760	+15°450	2°10	46.2319	8.8	†		22°799	-5°148	-5	M	...	...	17°936	-50°286	-5	...	...
*	27°742	+3°720	2°00	46.2320	9.0	*		22°630	-16°610	1°00	47.2024	10.0	...	17°791	+22°379	-2	...	...
...	27°680	+19°755	-5	...	...	†		22°503	+9°886	-5	...	...	...	17°752	+1°251	0°85	...	...
...	27°615	+28°583	-5	...	...	*		22°426	+3°277	1°05	46.2329	9.8	*	17°718	+23°969	1°00	46.2344	10°2	
*	-27°422	-0°551	1°20	46.2321	9.8	...		22°414	+10°607	-5	...	...	...	-17°667	+31°869	0°70	...	...
...	27°390	+37°064	-5	...	...	...		22°365	+36°678	0°70	...	...	*	17°624	+51°119	1°20	46.2345	9°8	
...	27°260	+15°505	-3	...	...	*		22°213	-14°082	2°30	47.2026	8.2	...	17°586	+3°380	0°65	...	...
...	27°252	+30°980	0°70	...	...	*		22°208	-30°152	2°00	47.2025	8.7	...	17°548	+18°017	0°80	...	...
...	26°988	+3°919	-3	...	...	*		22°178	-3°560	1°00	46.2330	10.2	...	17°485	+14°111	-4	...	...
401	-26°906	+19°802	1°10	46.2322	9.8	...	461	-22°114	+53°136	-1	...	...	521	-17°281	+30°373	-4	...	...
...	26°712	+20°009	-5	...	...	...		21°936	-8°794	-5	M	...	...	17°103	+36°038	-4	...	...
*	26°616	-17°473	1°80	47.2016	9.0	...		21°932	-12°297	-3	...	...	...	17°039	-57°282	-5	...	...
...	26°598	+16°080	-4	...	...	*		21°865	+7°310	2°10	46.2331	8.8	†	17°024	+54°721	-4	...	...
*	26°427	-9°466	2°00	47.2017	8.8	*		21°810	+37°908	1°80	46.2332	9.2	...	17°006	+4°593	0°90	...	...
*	-26°229	-13°844	1°60	47.2018	9.2	...		21°725	-4°209	0°65	...	...	...	-16°901	-28°102	-5	M	...	
...	26°159	-39°273	-5	M	...	...		21°715	+3°275	0°65	...	...	...	16°894	+33°377	-5	...	...
...	26°104	-19°877	-4	...	...	...		21°680	+18°589	-2	...	...	...	16°894	-56°525	-5	...	...
...	26°038	+43°032	-5	M	...	...		21°259	-32°658	-1	...	...	...	16°846	+1°360	0°90	...	...
...	25°888	+20°672	-1	...	...	...		21°099	-1°145	-2	B	...	...	16°692	-16°368	-5	M	...	
411	-25°683	-36°492	-5	M	...	*	471	-20°818	-2°588	1°05	46.2333	10.0	...	16°646	-23°683	0°80	...	...
...	25°625	+3°784	-5	...	...	...		20°659	-17°025	-4	...	...	*	16°547	+48°664	1°00	46.2346	10°2	
...	25°569	+31°558	0°70	...	...	...		20°280	+48°149	-2	...	...	*	16°273	-31°270	2°00	47.2033	8°5	
...	25°486	+0°627	-5	...	...	...		20°217	-25°804	-5	...	...	...	16°259	-28°141	0°70	...	...
...	25°427	-33°684	-5	M	...	...		20°162	-19°875	-5	...	...	*	16°114	+2°061	1°00	46.2347	10°0	
*	-25°363	-31°231	1°20	47.2019	9.8	...		20°073	-0°258	0°95	46.2334	10.0	...	16°051	-40°703	-4	...	...
*	25°335	+28°932	2°00	46.2324	9.1	...		20°043	+34°782	1°00	46.2335	9.9	...	16°023	+37°045	0°65	...	...
*	25°327	+16°364	1°10	46.2323	9.8	...		20°040	-55°501	-1	47.2027	10.2	...	15°957	-32°918	-4	...	...
*	25°288	+52°108	1°30	46.2325	9.8	*		19°838	+7°244	1°25	46.2336	9.6	...	15°907	+11°543	0°75	...	...
...	25°227	-34																	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
541-600																		
541	-15.824	+5.918	-4	o	...	601	-10.849	+35.389	-5	o	...	661	-6.760	+13.765	-5	o	...	
...	15.799	-18.613	-5	M	...	...	* 10.789	-6.800	2.00	47.2038	8.8	...	6.696	-36.805	1.00	47.2051	10.0
...	15.795	+37.341	0.90	...	...	...	10.722	-48.731	-5	M	...	...	6.674	-45.983	-5	m	...
...	15.720	-34.677	-5	M	...	...	10.696	-57.745	-4	...	...	...	6.626	-48.428	1.00	47.2052	10.2
...	15.671	-27.216	0.90	...	...	...	* 10.611	-56.306	2.00	47.2039	8.9	...	6.526	-56.885	0.70	...	...
...	-15.657	+25.473	-4	...	...	...	* -10.572	-2.033	1.40	46.2357	9.6	...	6.485	+47.627	1.20	46.2369	9.8
...	15.646	-58.598	-1	47.2034	10.0	...	10.550	+36.064	-5	...	...	...	6.467	-53.960	-5	M m	...
...	15.625	+20.047	-5	M	...	...	10.507	-59.737	-5	...	...	...	6.098	+24.538	-2	...	...
...	15.623	-12.563	0.90	...	...	...	10.451	-53.373	-5	...	...	...	6.095	+18.457	1.00	46.2370	10.2
...	15.436	+28.296	-2	...	...	...	10.342	+16.169	0.70	...	...	...	5.899	-34.268	1.00	47.2053	10.2
551	-15.391	+40.004	-4	...	...	611	-10.157	-12.989	-5	...	...	...	5.848	+50.792	-2	...	...
...	15.360	-28.083	-5	M	...	...	10.122	-16.690	0.70	...	...	...	5.782	-40.122	1.05	47.2054	10.0
...	15.304	+18.971	0.85	...	...	...	10.122	-43.576	1.05	47.2041	10.0	...	5.615	+23.912	0.80	46.2371	10.2
*	15.258	+2.918	1.00	46.2348	9.8	...	9.972	+38.381	-5	...	...	...	5.563	-31.757	1.10	47.2055	10.2
†	15.198	-55.543	-1	47.2035	10.2	...	9.962	-43.321	1.00	47.2042	10.2	...	5.559	-58.999	-3	...	...
*	-15.144	-31.269	1.00	...	...	...	-9.825	-46.109	-5	M	...	...	5.458	+13.387	-5	m	...
...	15.113	-36.484	0.70	...	...	...	9.752	+13.427	-4	...	...	...	5.430	+53.875	1.00	46.2372	10.2
...	14.858	+35.771	-5	...	...	...	9.663	-31.074	1.00	47.2043	10.2	...	5.369	-52.396	-2	...	...
...	14.550	+39.976	0.65	...	...	...	9.488	-27.954	-5	M	...	...	5.334	-16.217	-5	M m	...
*	14.494	-10.726	1.00	47.2036	10.2	...	9.381	+15.195	-3	...	...	...	5.244	+28.857	0.75	46.2374	10.2
561	-14.438	+54.966	1.00	...	...	621	-9.254	-4.562	-4	M	...	...	5.176	+14.066	2.60	46.2373	8.2
...	14.392	-0.241	0.90	...	...	...	9.242	-26.560	-4	...	...	...	5.126	+31.228	0.70	...	...
...	14.387	+50.411	-5	...	...	...	* 9.114	+5.236	1.10	46.2361	10.0	...	4.962	+32.344	1.10	46.2375	9.8
+	14.333	-45.026	2.00	47.2037	8.6	...	9.089	+26.661	1.15	46.2359	9.8	...	4.847	-3.602	-3	B m	...	
...	14.292	+31.234	-5	...	...	S *	9.084	-21.326	3.00	47.2044	7.9	...	4.816	-24.165	-5	M m	...
*	-14.287	+15.273	1.00	46.2349	10.0	...	* 9.074	+25.022	3.20	46.2358	7.8	...	4.547	-59.001	-5	...	...
...	14.158	+55.639	-5	...	...	...	9.003	+18.367	1.10	46.2360	9.9	...	4.493	-3.799	-4	M m	...
...	14.084	+50.300	1.00	...	...	...	8.928	+49.082	1.00	46.2362	10.2	*	4.484	+17.844	1.30	46.2376	9.6
...	14.004	+58.546	-1	...	...	...	8.760	+0.894	1.00	...	...	...	4.424	-31.153	-3	m	...
...	13.902	-0.720	-5	M	...	...	8.694	-34.000	1.15	47.2047	9.8	...	4.282	+16.032	-5	m	...
571	*	-13.886	+40.940	2.00	46.2350	8.6	631	-8.677	-49.707	1.40	47.2045	9.6	...	4.234	+46.610	-5
...	13.834	+1.137	-2	...	...	...	* 8.649	-25.346	2.00	47.2046	8.9	...	3.937	-1.435	-1	m	...
...	13.764	-13.043	0.90	...	...	...	8.581	-43.502	-4	...	...	...	3.923	+35.480	1.00	46.2377	10.2
...	13.726	+9.823	0.80	46.2351	10.2	...	8.481	+16.688	0.70	46.2363	10.2	...	3.748	+10.914	-3	...	...
...	13.623	-6.217	-5	M	...	...	* 8.451	-22.682	1.40	47.2048	9.2	...	3.743	-23.795	0.75	...	...
...	-13.222	-12.225	-4	M	...	...	-8.441	-54.882	-5	...	...	...	3.674	-15.441	1.20	47.2056	9.9
...	13.185	+15.172	-5	...	...	...	8.426	+17.829	2.00	46.2364	8.8	*	3.633	+26.632	1.20	46.2378	9.7
...	12.978	+47.182	-5	...	...	...	8.370	-50.313	-5	M m	...	...	3.451	+25.081	-5	...	...
...	12.959	-26.625	-3	...	...	...	8.254	+58.499	-5	m	...	...	3.426	+44.054	1.00	46.2379	10.2
*	12.822	+18.451	1.00	46.2352	10.0	...	8.162	-17.753	0.70	...	...	...	3.277	-27.273	1.15	47.2057	10.0
581	*	-12.796	+30.923	1.00	46.2353	9.9	641	-8.018	+39.474	-5	m	3.217	+26.005	-5
†	12.596	-5.099	0.80	...	...	...	8.010	+44.142	0.80	...	...	...	3.074	+52.607	-4	M	...
†	12.221	+14.843	0.80	...	...	...	7.965	-7.000	0.70	m	...	...	2.998	+44.339	-5	...	...
...	12.059	-14.327	0.70	...	...	...	* 7.951	-7.503	1.10	47.2049	9.7	...	2.936	-36.423	-5	M	...
...	12.048	-5.855	-5	M	...	...	7.931	+45.052	-5	m	...	...	2.892	-55.945	-3	...	...
...	-11.877	+57.515	1.00	45.2337	9.9	...	-7.876	-27.475	-5	M m	...	...	2.851	+35.774	1.10	46.2380	10.0
*	11.869	+28.482	1.10	46.2354	9.8	...	7.714	+51.692	0.70	...	...	...	2.697	+14.489	1.60	46.2381	9.0
...	11.846	+8.861	-2	...	...	...	7.713	+57.273	1.20	45.2343	10.2	...	2.694	+9.405	-4	...	...
...	11.830	+4.658	0.80	...	...	S *	7.689	-36.573	3.90	47.2050	7.6	...	2.579	-36.582	-5	M	...
...	11.756	+52.590	-5	...	...	...	7.642	-28.775	-5	M m	...	...	2.464	+47.910	-5	...	...
591	...	-11.708	-12.442	-5	M	...	651	-7.510	-43.460	-5	2.462	+23.979	-5	M	...
...	11.653	-1.614	0.75	...	...	...	7.500	+40.774	-3	...	...	...	2.400	-30.559	-1	...	...
...	11.526	+13.337	-5	...	...	...	* 7.468	+45.328	2.10	46.2365	8.8	...	2.393	-1.744	-5	M m	...
*	11.507	+51.648	1.20	46.2355	9.8	...	7.420	-37.477	-5	M m	...	...	2.303	-23.381	-5	M m	...
...	11.101	-12.588	-4	M	...	...	7.099	+40.570	-4	...	...	...	2.102	-58.465	0.65	...	...
...	-11.089	-46.950	-4	...	...	...	-6.935	+19.798	0.70	46.2367	10.2	...	-2.099	-50.108	-1	...	...
*	11.000	+31.758	1.80	46.2356	9.2	*	6.921	+24.449	2.00	46.2366	9.2	...	1.906	-27.001	-5	m	...	
...	10.928	-52.070	-5	...	...	...	6.837	+43.287	-3	...	...	...	1.881	+17.324	-5	...	...
...	10.923	+1.098	-4	...	...	...	6.835	+29.380	-5	m	...	...	1.864	+7.368	0.70	...	...
...	10.861	-53.195	-5	M	...	*	6.780	+20.833	1.40	46.2368	9.6	...	1.780	+53.925	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
721-780																			
721	- 1.756	+ 7.604	0.65	.	...	...	781	+ 1.825	- 30.327	0.85	.	...	841	+ 6.314	+ 12.816	- 4	.	...
...	1.752	- 19.491	0.75	...	...	...	...	1.829	+ 1.627	- 1	...	...	...	6.327	- 19.928	- 4	M	...
...	1.742	- 3.972	- 2	M	...	...	...	1.903	+ 54.786	- 5	...	...	...	6.378	- 17.160	1.00	47.2072	9.9
*	1.707	+ 28.547	1.15	46.2382	10.0	*	...	1.991	+ 48.545	1.30	46.2391	9.6	...	6.464	+ 38.719	- 5	M	...	
...	1.587	- 23.875	- 1	...	...	...	...	2.042	- 37.264	- 4	M m	...	...	6.489	- 26.657	3.00	47.2073	8.2
...	- 1.496	- 21.881	- 5	M m	...	...	...	2.116	+ 40.215	- 5	m	...	...	6.500	- 41.410	0.80	...	...
...	1.340	+ 29.383	- 2	...	...	...	...	2.169	- 41.206	- 4	m	...	...	6.502	+ 22.178	1.30	46.2396	9.6
S *	1.330	+ 13.214	4.00	46.2383	7.8	...	...	2.309	- 7.441	0.90	...	...	...	6.606	+ 50.230	- 1	...	...
*	1.286	- 5.781	1.30	47.2059	9.6	...	...	2.436	+ 22.097	- 2	...	...	...	6.714	- 37.877	0.70	...	...
...	1.233	- 25.440	- 2	M	...	...	...	2.444	+ 43.039	- 5	...	...	...	6.848	- 10.678	1.05	47.2074	9.8
731	- 1.018	+ 30.307	1.30	46.2384	9.6	...	791	+ 2.528	- 25.632	- 2	m	...	...	6.873	+ 58.249	- 5	m	...
...	0.968	+ 10.446	- 3	...	...	...	...	2.622	- 58.250	- 1	...	...	...	6.874	+ 17.080	- 5	M	...
*	0.950	+ 57.662	1.40	45.2350	9.7	...	...	2.654	+ 54.246	- 5	...	...	...	6.882	- 6.837	- 3	D d	...
*	0.767	+ 11.406	1.00	46.2385	10.2	...	...	2.790	+ 8.156	0.80	...	...	...	6.885	- 24.075	- 5	M m	...
...	0.737	- 51.227	- 5	M	...	...	...	2.973	- 15.219	- 2	M	...	...	6.904	- 6.497	- 4	M m	...
...	- 0.652	+ 1.451	- 5	M	...	...	...	2.991	- 53.141	- 4	...	...	...	6.968	+ 9.135	0.65	...	...
*	0.624	+ 58.785	1.15	45.2353	10.2	...	...	2.995	- 32.242	- 3	m	...	...	7.051	- 44.190	- 4	M m	...
...	0.580	- 22.881	- 5	M m	...	...	...	3.032	- 21.224	- 5	M m	...	...	7.212	- 32.849	- 5	M	...
...	0.568	- 47.645	- 5	M m	...	...	...	3.174	- 11.775	- 4	M m	...	...	7.269	- 30.791	1.00	47.2075	9.8
*	0.563	- 21.959	1.15	47.2060	9.8	...	...	3.217	+ 38.221	0.65	...	...	...	7.328	- 26.080	- 4	M	...
741	- 0.450	- 2.703	1.15	46.2386	9.8	...	801	+ 3.266	- 41.583	- 4	...	...	...	7.366	+ 39.969	- 5	...	...
...	0.428	+ 44.474	- 4	...	...	...	...	3.303	+ 52.323	- 2	...	...	...	7.443	+ 58.695	- 1	...	...
...	0.299	- 39.245	- 4	...	...	...	...	3.359	- 15.724	- 5	M m	...	...	7.478	- 34.538	1.00	47.2076	10.2
+	- 0.124	+ 34.404	1.00	46.2387	10.0	...	...	3.424	- 25.221	0.65	...	...	...	7.529	+ 5.233	- 5	M m	...
...	+ 0.130	+ 38.312	- 5	...	...	*	...	3.471	+ 29.507	1.30	46.2393	9.4	...	7.591	- 30.349	- 5	M m	...
*	+ 0.344	- 1.241	1.00	46.2389	9.8	...	...	3.694	+ 7.710	- 4	...	...	...	7.883	- 36.205	- 5	M m	...
*	0.404	+ 3.250	2.00	46.2390	8.9	...	...	3.722	- 32.459	- 2	m	...	...	7.963	+ 46.873	- 5	m	...
*	0.471	+ 44.555	1.05	46.2388	9.6	...	...	3.739	+ 9.663	- 2	...	...	...	8.111	+ 0.726	1.10	46.2397	9.6
...	0.502	+ 1.192	- 4	...	...	...	...	3.755	- 9.188	0.75	...	...	...	8.157	- 10.705	- 5	M m	...
...	0.541	+ 35.383	0.80	...	...	...	...	3.871	+ 6.697	- 5	M m	...	...	8.392	+ 9.846	0.90	46.2398	10.2
751	+ 0.575	- 33.641	0.85	...	...	...	811	+ 3.926	- 49.136	1.00	47.2066	10.2	*	8.474	+ 6.184	3.00	46.2399	7.9
...	0.582	+ 33.447	- 4	...	...	...	...	4.074	- 12.683	0.70	M	...	*	8.489	+ 11.391	1.20	46.2400	9.8
...	0.583	+ 0.470	0.70	...	...	...	...	4.126	- 38.887	- 5	M m	...	...	8.568	- 50.558	- 5	...	...
...	0.587	+ 20.226	- 4	...	...	...	...	4.161	+ 54.539	- 1	...	...	...	8.707	- 14.233	- 5	M m	...
*	0.637	- 22.919	1.00	47.2061	9.8	...	...	4.177	- 16.870	0.70	M	...	...	8.752	+ 51.945	- 5	...	...
...	+ 0.650	+ 32.344	- 5	...	...	...	...	4.187	+ 22.340	- 5	M	...	...	8.769	+ 35.949	- 5	...	...
...	0.803	- 2.527	- 2	D d	...	...	...	4.262	+ 22.208	- 4	...	...	...	8.882	+ 35.677	- 5	...	...
...	0.808	- 48.401	- 5	m	...	*	...	4.347	- 15.645	1.00	47.2067	10.2	...	8.969	- 15.373	- 5	m	...	
...	0.833	+ 28.183	- 5	...	...	...	...	4.366	+ 48.905	- 5	...	...	...	9.094	+ 29.060	- 4	...	...
...	0.897	- 57.993	- 4	...	...	...	...	4.372	+ 8.412	0.90	...	...	...	9.135	+ 36.558	- 5	...	...
761	+ 0.957	- 9.856	- 3	m	...	...	821	+ 4.412	- 47.338	- 4	...	...	...	9.344	- 52.456	- 1	...	...
*	0.988	- 38.774	1.00	...	...	*	...	4.572	+ 1.133	1.20	46.2394	9.7	...	9.350	- 27.862	- 5	m	...
...	1.065	+ 33.779	- 5	...	...	...	...	4.575	+ 48.676	- 5	...	...	...	9.371	- 8.601	- 5	m	...
*	1.123	- 27.954	1.00	47.2062	10.0	...	...	4.720	+ 11.424	0.90	...	...	...	9.461	+ 46.285	- 5	...	...
...	1.153	+ 49.933	- 3	...	...	...	...	5.101	+ 27.964	- 4	...	...	...	9.557	+ 49.352	- 4	...	...
+	1.262	- 39.210	- 5	M m	...	...	...	5.106	- 4.792	- 4	M m	...	...	9.571	+ 9.615	- 4	...	...
...	1.313	+ 4.550	0.85	...	...	...	...	5.157	- 24.093	- 5	M m	...	...	9.634	+ 11.543	- 4	...	...
...	1.464	- 43.393	- 5	...	...	*	...	5.266	- 16.799	1.00	47.2069	9.8	...	9.644	- 27.139	0.80	...	...
...	1.562	+ 52.405	0.90	...	...	*	...	5.368	- 53.941	1.25	47.2070	10.0	†	9.742	- 35.580	- 5	...	...
...	1.570	+ 43.968	- 5	...	...	†	...	5.589	+ 34.823	0.70	...	...	...	9.834	- 39.609	- 2	...	...
771	+ 1.611	- 46.232	- 5	M m	...	*	831	+ 5.662	- 31.226	1.20	47.2071	9.7	...	9.914	- 35.436	- 5	m	...	
...	1.612	+ 33.964	- 5	M	...	...	...	5.850	- 4.830	- 3	M b	...	...	9.944	+ 8.001	- 4	...	...
...	1.640	+ 49.257	- 5	...	...	...	...	5.861	- 34.866	- 2	...	...	...	9.956	- 52.237	- 5	...	...
...	1.646	- 18.578	- 5	M m	...	...	...	5.956	- 4.363	- 4	M m	...	...	10.060	- 49.233	- 5	...	...
...	1.647	- 24.338	- 5	M m	...	...	...	6.094	- 57.324	- 4	...	...	...	10.080	+ 58.670	- 5	...	...
*	+ 1.701	- 42.942	1.30	47.2065	9.8	*	...	6.119	+ 6.371	1.00	46.2395	9.8	...	+ 10.158	- 53.746	0.75	47.2078	10.0	
...	1.749	- 28.970	- 5	M m	...	...	...	6.207	- 59.389	- 4	...	...	...	10.188	- 12.663	0.65	...	...
...	1.762	- 57.385	- 4	...	...	...	...	6.288	+ 10.806	0.70	...	...	...	10.220	+ 27.011	0.70	...	...
*	1.803	+ 10.658	2.80	46.2392	8.0	6.290	- 38.230	1.00	S *	10.233	- 53.025	4.00	47.2079	7.6
*	1.858	+ 10.725	2.80	46.2392	8.0	...	...	6.301	+ 18.092	- 4	m	...	...	10.243	+ 27.944	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
901-960																			
901	*	+10·250	-28·303	1·20	47.2077	9·8	961	+	15·471	+59·002	- 1	45.2384	10·2	1021	+	19·804	+ 3·609	- 5	...
*	10·303	+43·755	1·20	46.2401	9·6	...	15·503	-18·341	- 4	m	†	19·808	-22·235	0·80	...	
...	10·308	+30·621	- 5	15·574	-49·585	- 4	19·819	+59·071	- 5	...	
...	10·390	+42·506	- 5	15·577	+25·830	- 2	*	19·831	-48·323	1·05	47.2104	9·8	
...	10·392	-28·626	- 3	...	...	*	15·643	-43·995	1·40	47.2094	9·8	...	19·884	+ 0·770	0·70	...	...
...	+10·394	-56·424	1·20	47.2080	10·0	...	+15·747	-44·100	- 1	+19·923	-49·623	- 4	
...	10·479	+53·756	- 5	...	...	...	15·793	+ 3·095	0·95	46.2406	10·2	†	20·101	+19·808	0·70	...	...
...	10·583	+49·795	- 5	...	...	*	15·843	+16·825	1·20	46.2407	9·6	*	20·113	+15·480	1·00	46.2415	9·9
...	10·632	-23·055	- 5	...	...	...	15·861	-10·333	- 1	...	...	...	20·158	-54·282	- 1	...	...
...	10·953	-11·692	- 5	m	...	N [	15·862	+56·473	1·20	45.2387	9·8	...	20·170	+22·795	- 4	...	...
911	...	+11·371	- 3·607	- 5	m	...	971	+	15·911	+17·902	- 2	+	+20·171	+29·698	1·30	46.2414	9·4
...	11·439	-25·346	0·70	...	...	...	15·939	+46·066	- 1	...	...	...	20·274	-22·918	0·70	...	...
...	11·555	+52·691	- 5	...	...	*	16·003	-41·702	1·10	47.2095	10·0	...	20·295	+ 4·446	- 5	...	...
...	11·565	+47·641	- 2	...	...	...	16·155	+53·185	- 4	...	...	...	20·449	+55·718	0·90	45.2394	10·2
...	11·612	+44·162	0·90	...	...	...	16·165	+50·119	- 1	...	...	...	20·472	-20·699	3·00	47.2106	8·3
...	+11·746	- 6·479	0·90	...	...	...	+16·172	-36·451	- 4	...	...	...	+20·558	+54·544	- 5	...	...
*	11·836	-52·444	1·10	47.2081	9·8	*	16·390	-27·906	1·00	47.2096	10·2	...	20·588	+26·384	0·90	...	...
...	11·857	+20·105	- 5	...	...	*	16·450	+ 8·392	1·00	46.2409	10·2	*	20·607	+54·097	2·00	46.2416	9·2
*	11·906	+41·849	1·10	46.2402	10·0	...	16·479	- 4·017	0·80	...	...	...	20·610	-19·177	0·70	...	...
...	12·055	-46·633	1·00	47.2082	10·2	†	16·506	-49·931	- 2	...	...	...	20·658	-50·117	- 1	...	...
921	...	+12·058	- 8·628	- 5	m	...	981	*	+16·514	+26·434	1·20	46.2408	9·8	1041	+20·768	-41·327	- 5	m	...
...	12·104	-19·782	0·80	...	...	*	16·630	-42·559	1·00	47.2097	10·0	...	21·026	+56·993	- 5	...	...
*	12·115	-45·310	2·60	47.2084	8·2	...	16·881	+42·741	- 5	...	...	...	21·056	+21·499	- 2	...	...
*	12·310	-51·713	2·50	47.2085	8·3	*	16·892	+58·736	2·00	45.2389	9·1	...	21·173	-30·618	- 5	m	...		
*	12·329	-19·508	1·20	47.2083	9·8	*	16·964	- 0·255	1·00	...	...	*	21·211	- 4·456	2·00	46.2417	8·8
*	+12·334	-43·490	1·20	47.2086	10·2	...	+16·976	-36·830	- 5	m	...	...	+21·283	-36·168	- 5	m	...
*	12·346	+10·879	1·40	46.2403	9·3	*	17·063	-36·641	1·35	47.2099	9·6	...	21·335	+25·051	0·70	a	...		
...	12·374	+53·028	0·65	...	...	*	17·090	-16·999	1·00	47.2098	10·2	...	21·362	-32·193	- 3	b	...
*	12·753	-37·264	1·30	47.2087	9·6	*	17·103	- 1·519	1·40	46.2411	9·6	...	21·378	+ 2·210	- 4	...	...
...	12·837	-24·738	- 1	...	...	...	17·141	-40·439	- 4	m	...	...	21·446	-27·835	0·95	47.2107	10·2
931	...	+12·870	+40·420	- 3	991	*	+17·153	+47·238	1·40	46.2410	9·4	1051	+21·516	+59·077	- 4
...	12·946	-35·540	- 2	...	...	...	17·414	+15·197	- 4	...	...	...	21·560	+55·509	- 1	...	...
...	13·256	-26·899	0·70	...	...	...	17·444	+11·977	0·75	...	...	...	21·620	-58·254	- 5	...	...
...	13·286	-13·600	- 5	m	...	...	17·542	+24·146	- 5	...	...	...	21·665	-42·394	- 5	m	...
...	13·320	+47·430	- 4	...	...	...	17·586	-56·519	- 5	...	...	...	21·708	+33·607	1·00	...	...
...	+13·433	-44·388	- 4	...	...	...	+17·708	+22·040	- 2	...	...	*	+21·840	-39·212	2·00	47.2108	8·8
...	13·553	+10·745	- 5	...	...	...	17·796	-16·162	0·70	...	...	...	21·853	+20·475	- 2	...	...
...	13·571	+27·465	0·70	...	...	...	17·937	-47·192	- 5	...	...	...	21·903	-15·830	- 5	m	...
...	13·590	-29·688	0·70	...	...	...	18·000	-32·149	0·80	...	...	...	21·943	+18·263	- 2	...	...
...	13·794	-15·921	- 5	m	...	...	18·093	-47·476	- 4	...	...	...	21·944	-44·156	- 5	m	...
941	...	+13·829	+ 2·278	- 4	1001	+18·100	+53·050	0·65	+21·954	- 7·204	- 5	m	...	
*	13·904	+ 2·388	2·00	46.2404	8·9	...	18·175	+52·730	- 5	...	...	...	22·005	-19·970	0·70	...	...
...	13·923	-33·151	- 1	...	...	*	18·226	+45·948	1·80	46.2412	9·2	...	22·010	- 7·462	0·80	...	...
...	13·932	+54·474	- 5	...	...	...	18·249	-11·934	0·75	...	...	...	22·109	- 4·286	- 5	m	...
*	13·941	-58·363	1·40	47.2089	9·6	...	18·605	+30·870	- 1	...	...	...	22·127	+41·923	- 5	m	...
*	+14·122	-57·702	1·40	47.2090	9·6	...	+18·638	+11·656	0·90	...	...	...	+22·323	- 8·826	- 5	m	...
...	14·287	-46·633	- 5	...	...	...	18·659	-20·490	0·70	...	...	*	22·378	+50·302	1·35	46.2418	9·6
...	14·345	-59·436	- 5	...	...	*	18·768	-21·909	3·00	47.2100	8·3	...	22·387	+11·856	- 5	...	...
...	14·535	-52·471	1·10	47.2091	9·8	...	18·825	+56·328	- 4	...	...	...	22·457	-44·752	- 2	...	...
...	14·630	-53·298	0·80	47.2093	10·2	...	18·899	-15·617	- 4	...	...	...	22·593	+52·562	- 2	...	...
951	S +	+14·659	+52·542	2·50	46.2405	8·5	*	+18·942	- 6·142	1·00	47.2101	10·2	...	+22·601	+ 1·941	0·90	
...	14·700	-44·871	- 4	...	...	*	19·120	+14·295	1·00	...	...	*	22·819	- 0·966	1·00	46.2420	10·0
+	14·765	-36·164	2·20	47.2092	8·8	...	19·163	+10·002	0·90	...	...	...	22·861	- 0·717	- 5	m	...
...	15·056	-43·078	- 3	...	...	*	19·403	+ 8·919	1·40	46.2413	9·6	S *	22·876	+19·388	3·00	46.2419	8·1
...	15·084	-18·726	- 4	m	...	...	19·453	+43·516	- 2	...	...	*	22·909	- 7·287	1·00	47.2109	10·2
...	+15·305	+19·083	0·70	...	...	*	+19·551	-25·707	1·10	47.2103	10·2	...	+22·995	-17·324	- 4	m	...
...	15·335	- 1·226	- 4	m	...	S *	19·592	- 6·799	2·70	47.2102	8·5	*	23·060	-40·232	1·00	47.2110	9·8		
...	15·360	+30·385	0·70	...	...	...	19·611	+25·350	0·85	...	...	...	23·165	+53·369	- 2	...	...
...	15·360	-23·898	- 5	m	...	...	19·681	-41·214	- 4	...	...	...	23·170	-43·575	- 2	...	...
...	15·364	+59·133	- 4	...	...	†	19·769	+34·257	- 5	...	...	*	23·186	+12·399	1·00	46.2421	9·8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1081-1140																	
1081	+23°234	+ 0°092	- 5	o	m	...	+27°512	-57°029	- 5	o	...	...	+30°595	+36°094	- 5	o	...
*	23°282	-53°182	1°30	47.21111	9°6	*	27°522	+12°527	1°00	46.2426	10°2	*	30°854	+13°394	1°15	46.2437	10°0
...	23°359	- 3°835	- 5	m	...	...	27°532	+34°940	- 5	...	...	...	30°862	+50°116	0°80	...	...
...	23°454	+40°596	- 1	...	...	*	27°722	+14°643	1°00	46.2427	10°2	*	30°893	-48°643	1°40	47.2128	9°6
...	23°681	+57°719	- 4	...	...	...	27°764	-46°589	- 2	...	...	...	30°904	+44°498	- 1	...	...
*	+23°809	-38°066	1°00	47.2113	10°0	...	+27°826	-41°247	- 5	m	...	*	+31°093	-17°610	1°00	47.2127	10°2
...	23°824	+ 5°223	- 5	...	...	...	27°837	+ 2°572	- 5	...	...	*	31°211	-51°781	1°30	47.2129	9°8
...	23°825	+22°704	- 2	...	...	*	27°881	+21°760	1°20	46.2428	9°8	*	31°216	+25°097	1°30	46.2438	9°8
...	23°842	-56°683	- 4	...	...	...	27°975	+26°498	0°85	...	...	...	31°225	-58°193	- 4	...	...
*	23°860	-19°172	1°90	47.2112	8°9	...	28°056	-33°307	- 5	m	...	*	31°286	+49°942	2°20	46.2435	8°8
1141-1200																	
1141	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1151	...	...	...	...	...	...	+28°067	-20°653	- 5	m	...	...	+31°367	+11°980	- 5	...	...
...	23°987	+25°092	- 5	m	...	...	28°097	+17°404	0°65	...	...	...	31°375	+47°733	0°90	46.2436	10°2
...	24°059	+14°001	- 5	m	...	...	28°115	+35°321	- 2	...	...	...	31°405	-39°792	0°85	...	...
...	24°103	+32°722	- 4	...	...	...	28°152	-12°320	- 5	m	...	...	31°495	-36°023	- 4	...	...
...	24°317	-30°260	- 3	a	...	*	28°191	+20°181	1°20	46.2429	9°8	...	31°507	-16°467	- 2	...	...
...	+24°575	+24°150	0°90	...	...	...	+28°195	+28°556	- 3	...	...	...	+31°549	-57°113	- 4	...	...
*	24°580	-41°286	1°00	47.2114	10°2	*	28°238	-10°581	1°00	47.2120	10°2	*	31°585	+23°685	1°05	46.2439	10°2
†	24°673	+ 7°221	1°00	46.2422	9°8	...	28°320	-51°302	- 5	...	...	...	31°590	+44°946	- 4	...	...
†	24°734	-52°803	- 3	...	...	...	28°336	+ 4°390	- 5	m	...	...	31°591	+15°493	0°70	...	...
...	24°931	-40°288	- 5	m	...	...	28°368	-57°071	- 5	...	...	...	31°655	+43°211	- 5	...	...
1201-1260																	
1201	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1211	...	...	...	...	...	...	+31°367	+11°980	- 5	...	...	...	+31°375	+47°733	0°90	46.2436	10°2
...	...	...	...	...	...	...	...	...	...	...	...	...	31°405	-39°792	0°85	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	31°495	-36°023	- 4	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	31°507	-16°467	- 2	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	+31°549	-57°113	- 4	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	31°585	+23°685	1°05	46.2439	10°2
...	...	...	...	...	...	...	...	...	...	...	...	...	31°590	+44°946	- 4	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	31°591	+15°493	0°70	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	31°655	+43°211	- 5	...	...
1101-1161																	
1101	+25°021	- 4°956	- 4	m	...	...	+28°406	+23°571	- 4	...	...	...	+31°751	+11°990	1°20	46.2440	10°0
...	25°023	-16°838	- 4	m	...	...	28°409	-20°136	- 5	m	...	...	31°864	-37°117	0°85	...	...
*	25°106	+39°452	1°05	46.2423	9°8	...	28°427	-30°966	- 5	m	...	...	31°946	+18°740	1°40	46.2442	9°6
*	25°136	-21°245	1°20	47.2115	9°6	...	28°436	+22°723	- 4	...	...	...	31°951	-11°442	- 4	...	...
...	25°249	-20°159	- 2	...	...	...	28°499	- 8°185	0°65	a	...	...	32°073	+ 6°510	- 5	...	...
...	+25°274	- 6°084	- 5	m	...	...	+28°525	+36°835	- 5	...	...	...	+32°103	+ 6°115	- 1	...	...
*	25°358	+53°612	1°15	46.2424	9°8	*	28°611	-19°245	1°00	47.2121	9°8	...	32°129	-22°119	- 2	...	...
...	25°419	+28°671	- 5	...	...	...	28°626	+33°777	0°70	...	...	...	32°228	+41°438	2°00	46.2441	9°6
...	25°490	-16°496	- 5	m	...	...	28°671	- 4°301	0°75	...	...	...	32°259	+18°035	- 5	...	...
...	25°544	+33°356	0°90	...	...	...	28°689	-36°885	- 2	...	...	...	32°260	-26°187	0°90	...	...
1171-1231																	
1171	...	...	...	...	...	...	+28°774	+57°393	- 5	...	...	...	+32°262	+42°615	- 4	...	...
*	25°923	-54°233	1°30	47.2116	9°7	*	28°811	+ 3°585	1°00	46.2430	10°2	*	32°435	-28°238	1°20	47.2130	10°2
...	26°149	-29°687	0°70	...	...	...	28°868	+ 7°299	- 5	...	...	...	32°455	-12°295	- 5	m	...
...	26°163	-12°307	0°75	...	...	...	28°892	+ 9°259	- 4	...	...	...	32°497	-59°774	- 5	...	...
...	26°193	-54°182	- 4	...	...	*	28°912	-41°531	1°15	47.2122	10°0	...	32°617	-24°229	- 4	...	...
...	+26°204	+36°834	- 3	...	...	...	+28°973	-18°076	0°70	...	...	...	+32°670	+20°894	0°80	...	...
...	26°210	-51°056	- 5	...	...	...	28°998	+56°674	- 1	45.2407	10°0	...	32°844	+16°530	0°75	...	...
*	26°249	-24°824	1°20	47.2117	9°6	...	29°004	+46°710	- 5	...	...	...	32°852	+ 5°128	0°90	...	...
...	26°266	+22°553	0°80	...	...	...	29°029	-19°422	0°90	...	...	...	32°943	+15°499	0°90	...	...
...	26°348	-52°191	- 1	...	...	...	29°035	+ 7°772	- 3	...	...	...	33°003	+40°466	- 5	m	...
1181-1241																	
1181	...	...	...	...	...	...	+29°042	+31°217	- 3	...	...	...	+33°071	-34°371	- 5	m	...
...	...	...	...	...	...	...	29°072	+46°790	- 1	...	...	...	33°212	+12°327	0°65	...	...
...	...	...	...	...	...	...	29°072	-35°628	- 4	m	...	...	33°257	+ 7°860	- 2	...	...
...	...	...	...	...	...	...	29°073	+59°451	1°40	45.2408	9°4	...	33°332	-35°477	- 5	m	...
...	...	...	...	...	...	...	29°108	+40°244	- 5	m	...	...	33°425	-44°261	- 5	m	...
...	+26°669	+13°393	- 5	...	...	...	+29°216	+59°591	- 5	...	...	...	+33°453	-27°409	- 4	...	...
...	26°786	+35°440	- 2	...	...	...	29°458	-50°937	- 2	47.2124	10°2	...	33°468	-59°609	1°10	47.2131	10°0
...	26°918	+53°208	- 2	...	...	...	29°572	+10°447	- 5	...	...	...	33°524	-32°974	- 5	m	...
...	27°038	- 5°194	0°70	...	...	...	29°645	+44°388	- 3	...	...	...	33°610	-17°046	- 5	m	...
...	27°109	+20°923	0°90	...	...	*	29°720	- 3°894	0°90	46.2433	10°2	...	33°624	+34°304	- 4	...	...
1191-1251																	
1191	...	...	...	...	...	...	+29°912	+16°405	1°00	...	...	...	+33°674	+24°402	- 5	...	...
*	27°180	+ 9°429	2°00	46.2425	9°2	*	29°975	- 5°007	1°40	47.2123	9°2	*	33°778	+42°999	1		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
1261-1320																		
1261	+34°361	+26°608	-5	o	S *	+41°406	-28°016	3°30	47.2142	8°0	1381	+46°216	+25°270	-4	o	...
*	34°416	+14°755	1°10	46.2445	10°2	...	41°574	+55°723	-5	†	46°273	+34°846	1°00	46.2463	10°2
...	34°542	+58°207	0°70	45.2424	10°2	...	41°596	+9°756	-5	N *	46°356	-33°886	-5	m	...
*	34°576	-34°174	1°00	...	...	...	41°807	+15°474	-2	...	...	...	46°365	-52°923	3°00	47.2158	8°5
+	34°768	+1°541	1°00	46.2447	10°0	*	41°820	+25°715	1°00	46.2455	10°2	...	46°442	-40°549	-5	...	...
...	+34°772	+9°009	-5	...	...	*	+42°216	-23°246	2°00	47.2143	9°3	...	46°530	-45°361	2°00	47.2160	9°3
...	34°897	+52°082	-1	...	...	...	42°334	+12°128	-5	...	...	...	46°584	+9°425	-3	...	...
...	34°965	-16°482	-3	b	42°467	+1°078	-5	m	*	46°627	-29°465	1°10	47.2156	9°9
...	34°976	+7°372	-5	...	...	...	42°504	-59°754	-2	47.2144	10°2	*	46°643	-50°112	3°00	47.2162	8°6
*	34°985	+25°235	1°15	46.2446	9°8	...	42°673	+38°299	-5	...	...	...	46°695	-9°786	0°90	...	...
1321-1380																		
1321	S *	+41°406	-28°016	3°30	47.2142	8°0	1381	+46°216	+25°270	-4	o	...	...	...	...	...	...
...	41°574	+55°723	-5	...	...	...	42°923	-10°540	-5	m	...	...	46°273	+34°846	1°00	46.2463	10°2
...	41°596	+9°756	-5	...	...	...	42°937	-37°733	-5	m	...	...	46°356	-33°886	-5	m	...
*	41°807	+15°474	-2	...	...	*	42°946	-56°739	-1	47.2146	10°0	...	46°442	-40°549	-5	...	...
...	41°820	+25°715	1°00	46.2455	10°2	...	42°979	-33°071	-2	...	...	...	46°530	-45°361	2°00	47.2160	9°3
...	+42°216	-23°246	2°00	47.2143	9°3	*	43°181	+15°630	1°20	46.2456	9°6	...	46°584	+9°425	-3	...	...
...	43°251	+8°349	-2	...	...	*	43°424	-35°989	2°00	47.2148	9°1	...	46°627	-29°465	1°10	47.2156	9°9
...	43°424	-35°989	2°00	47.2148	9°1	...	43°642	+48°449	-5	...	...	...	46°643	-50°112	3°00	47.2162	8°6
...	43°782	-7°656	1°00	47.2145	9°8	*	43°782	-7°656	1°00	47.2145	9°8	...	46°695	-9°786	0°90	...	...
1381-1440																		
1381	...	+46°216	+25°270	-4	o	...	...	...	...	...	...	...	...	...	...	...	...
...	46°273	+34°846	1°00	46.2463	10°2	...	46°356	-33°886	-5	m	...	...	46°442	-40°549	-5	...	...
N *	46°365	-52°923	3°00	47.2158	8°5	...	46°442	-40°549	-5	...	...	...	46°530	-45°361	2°00	47.2160	9°3
...	46°442	-40°549	-5	...	...	...	46°584	+9°425	-3	...	...	...	46°627	-29°465	1°10	47.2156	9°9
...	46°584	+9°425	-3	...	...	*	46°643	-50°112	3°00	47.2162	8°6	...	46°695	-9°786	0°90	...	...
...	46°695	-9°786	0°90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1381-1440																		
1381	...	+46°216	+25°270	-4	o	...	...	...	...	...	...	...	...	...	...	...	...
...	46°273	+34°846	1°00	46.2463	10°2	...	46°356	-33°886	-5	m	...	...	46°442	-40°549	-5	...	...
N *	46°365	-52°923	3°00	47.2158	8°5	...	46°442	-40°549	-5	...	...	...	46°530	-45°361	2°00	47.2160	9°3
...	46°442	-40°549	-5	...	...	*	46°584	+9°425	-3	...	...	...	46°627	-29°465	1°10	47.2156	9°9
...	46°584	+9°425	-3	...	...	*	46°643	-50°112	3°00	47.2162	8°6	...	46°695	-9°786	0°90	...	...
...	46°695	-9°786	0°90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1391-1450																		
1391	...	+46°760	-41°555	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	46°808	+19°381	0°90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	47°046	-38°518	1°20	47.2163	9°8	...	47°051	-13°483	0°90	47.2159	10°2	...	47°054	-20°196	1°20	47.2161	9°6	
...	47°051	-13°483	0°90	47.2159	10°2	...	47°054	-20°196	1°20	47.2161	9°6	...	47°064	-8°217	-5	m	...	
...	47°064	-8°217	-5	m	...	...	47°107	+9°245	-5	...	...	...	47°135	+58°654	-5	...	...
...	47°107	+9°245	-5	...	...	...	47°167	-9°592	-5	m	...	...	47°167	-9°592	-5	m	...
...	47°167	-9°592	-5	m	...	...	47°323	+33°827	1°00	46.2464	10°2	...	47°323	+33°827	1°00	46.2464	10°2
1401-1460																		
1401	...	+47°323	-30°746	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	47°334	+5°837	0°90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47°623	+26°172	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47°642	-3°824	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47°714	+42°954	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47°753	+13°264	2°00	46.2465	8°9	...	...	...	...	...	...	...	...	...	...	...	...
...	47°771	+15°336	0°80	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47°936	+40°431	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47°938	-39°310	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47°953	+28°977	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1411-1470																		
1411	...	+48°017	-39°715	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°056	-7°096	0°70	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°091	+44°964	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°128	+26°822	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°146	+12°453	-1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°206	+9°136	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°281	+52°354	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°426	+1°467	0°90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°448	+32°085	1°00	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°449	+13°693	0°90	46.2466	10°2	...	...	...	...	...	...	...	...	...	...	...	...
1421-1480																		
1421	...	+48°548	-5°422	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°594	-31°476	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°621	-50°721	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48°633	-43°862	1°00	47.2165	10°2	...	48°682	-54°385	-1	47.2166	10°2	...	48°682	-54°385	-1	47.2166	10°2	
...	48°682	-54°385	-1	47.2166	10°2	...	49°133	-4°491	0°65	...	...	...	49°133	-4°491	0°65	...	...
...	49°208	-47°805	-5	...	...	...	...	...	...	...	...	...	49°208	-47°805	-5	...	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.		x.	y.		-3.	No.		x.	y.	-3.	No.	Mag.	
1441-1470																		
1441	+50°865	-31°393	-3	o			+55°105	-11°307	-5	o	m			+58°166	-11°905	1°10	47.2179	10°2
...	51°129	+6°332	0°80				55°140	+16°195	-3	...	...		*	58°223	+3°010	1°15	46.2482	10°0
...	51°193	-6°273	-5	m			55°232	+53°994	-2	46.2474	10°2		*	58°236	+21°436	1°20	46.2481	9°6
...	51°272	+8°800	-5	...			55°414	+19°207	-4	...	...		*	58°281	-9°962	0°65	...	...
...	51°372	+19°905	-2	...			55°725	-36°853	-4	...	...		*	58°306	-18°018	0°75	...	...
...	+51°516	+1°839	-1	...			+55°834	-30°322	-1	47.2176	10°2		*	+58°473	-20°949	5	...	...
*	51°747	+51°801	1°40	46.2471	9°2		55°864	+7°511	-5	...	...		*	58°670	-57°767	3	47.2183	10°0
...	51°767	+20°281	-5	...			55°895	+12°407	0°95	46.2478	10°0		*	58°730	-17°752	1	...	...
...	51°871	-9°023	-5	a			55°905	+43°975	-5	...	...		*	58°782	+0°093	0°65	...	...
...	51°882	-46°842	-5	m			55°978	-4°357	0°80	...	...		*	58°792	-34°638	1°50	47.2181	9°6
1471-1500																		
1471							+55°105	-11°307	-5	o	m			+58°166	-11°905	1°10	47.2179	10°2
...							55°140	+16°195	-3	...	...		*	58°223	+3°010	1°15	46.2482	10°0
...							55°232	+53°994	-2	46.2474	10°2		*	58°236	+21°436	1°20	46.2481	9°6
...							55°414	+19°207	-4	...	...		*	58°281	-9°962	0°65	...	...
...							55°725	-36°853	-4	...	...		*	58°306	-18°018	0°75	...	...
...							+55°834	-30°322	-1	47.2176	10°2		*	+58°473	-20°949	5	...	...
...							55°864	+7°511	-5	...	...		*	58°670	-57°767	3	47.2183	10°0
...							55°895	+12°407	0°95	46.2478	10°0		*	58°730	-17°752	1	...	...
...							55°905	+43°975	-5	...	...		*	58°782	+0°093	0°65	...	...
...							55°978	-4°357	0°80	...	...		*	58°792	-34°638	1°50	47.2181	9°6
1501-1515																		
1501							+55°105	-11°307	-5	o	m			+58°166	-11°905	1°10	47.2179	10°2
...							55°140	+16°195	-3	...	...		*	58°223	+3°010	1°15	46.2482	10°0
...							55°232	+53°994	-2	46.2474	10°2		*	58°236	+21°436	1°20	46.2481	9°6
...							55°414	+19°207	-4	...	...		*	58°281	-9°962	0°65	...	...
...							55°725	-36°853	-4	...	...		*	58°306	-18°018	0°75	...	...
...							+55°834	-30°322	-1	47.2176	10°2		*	+58°473	-20°949	5	...	...
...							55°864	+7°511	-5	...	...		*	58°670	-57°767	3	47.2183	10°0
...							55°895	+12°407	0°95	46.2478	10°0		*	58°730	-17°752	1	...	...
...							55°905	+43°975	-5	...	...		*	58°782	+0°093	0°65	...	...
...							55°978	-4°357	0°80	...	...		*	58°792	-34°638	1°50	47.2181	9°6
1481-1511																		
1481							+55°105	-11°307	-5	o	m			+58°166	-11°905	1°10	47.2180	9°5
...							55°140	+16°195	-3	...	...		*	58°223	+3°010	1°15	47.2180	9°5
...							55°232	+53°994	-2	46.2477	10°0		*	58°236	+21°436	1°20	47.2182	9°6
...							55°414	+19°207	-4	...	...		*	58°281	-9°962	0°65	...	...
...							55°725	-36°853	-4	...	...		*	58°306	-18°018	0°75	...	...
...							+55°834	-30°322	-1	47.2176	10°2		*	+58°473	-20°949	5	...	...
...							55°864	+7°511	-5	...	...		*	58°670	-57°767	3	47.2183	10°0
...							55°895	+12°407	0°95	46.2478	10°0		*	58°730	-17°752	1	...	...
...							55°905	+43°975	-5	...	...		*	58°782	+0°093	0°65	...	...
...							55°978	-4°357	0°80	...	...		*	58°792	-34°638	1°50	47.2181	9°6
1491-1521																		
1491							+55°105	-11°307	-5	o	m			+58°166	-11°905	1°10	47.2180	9°5
...							55°140	+16°195	-3	...	...		*	58°223	+3°010	1°15	47.2180	9°5
...							55°232	+53°994	-2	46.2477	10°0		*	58°236	+21°436	1°20	47.2182	9°6
...							55°414	+19°207	-4	...	...		*	58°281	-9°962	0°65	...	...
...							55°725	-36°853	-4	...	...		*	58°306	-18°018	0°75	...	...
...							+55°834	-30°322	-1	47.2176	10°2		*	+58°473	-20°949	5	...	...
...							55°864	+7°511	-5	...	...		*	58°670	-57°767	3	47.2183	10°0
...							55°895	+12°407	0°95	46.2478	10°0		*	58°730	-17°752	1	...	...
...							55°905	+43°975	-5	...	...		*	58°782	+0°093	0°65	...	...
...							55°978	-4°357	0°80	...	...		*	58°792	-34°638	1°50	47.2181	9°6
1521-1551																		
1521							+55°105	-11°307	-5	o	m			+58°166	-11°905	1°10	47.2180	9°5
...							55°140	+16°195	-3	...	...		*	58°223	+3°010	1°15	47.2180	9°5
...							55°232	+53°994	-2	46.2477	10°0		*	58°236	+21°436	1°20	47.2182	9°6
...							55°414	+19°207	-4	...	...		*	58°281	-9°962	0°65	...	...
...							55°725	-36°853	-4	...	...		*	58°306	-18°018	0°75	...	...
...							+55°834	-30°322	-1	47.2176	10°2		*	+58°473	-20°949	5	...	...
...							55°864	+7°511	-5	...	...		*	58°670	-57°767	3	47.2183	10°0
...							55°895	+12°407	0°95	46.2478	10°0		*	58°730	-17°752	1	...	...
...							55°905	+43°975	-5	...	...		*	58°782	+0°093	0°65	...	...
...							55°978	-4°357	0°80	...	...		*	58°792	-34°638	1°50	47.2181	9°6

1-20		21-40				41-60											
I	-60°000	-28°319	3°00	47.2142	8°0	...	-57°542	-30°981	-2	47.2149	10°2	...	-55°419	-51°369	-4	...	...
+	59°853	-50°265	-4	47.2140	10°2	...	57°482	+1°834	-5	...	...	+	55°316	-9°924	-4	...	...
*	59°640</																

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
61-120						121-180						181-240						
61	-54·037	-7·190	-3	0	...	*	-44·783	+21·653	1·15	46·2481	9·6	*	-37·654	+54·440	1·10	46·2491	9·8	
...	53·947	+1·373	-4	...	...	...	44·270	-28·326	-5	...	...	...	37·492	+38·720	-3	...	...
...	53·908	+42·606	-4	46·2467	10·2	...	44·200	+3·231	0·90	46·2482	10·0	...	37·451	+5·627	-5	...	...
...	53·601	-5·499	-4	...	...	*	44·059	-18·633	1·00	47·2178	9·7	...	37·433	+48·831	0·70	46·2492	9·9
...	53·135	-39·378	-5	...	...	...	43·791	-11·673	0·70	47·2179	10·2	...	37·421	-52·129	-3	47·2192	10·0
†	-53·054	-39·767	-5	...	...	...	43·737	-9·723	-3	...	...	...	-37·248	-52·803	-4	47·2194	10·2
...	53·052	-4·552	-4	...	...	...	43·547	+0·331	-4	...	...	...	37·093	+26·720	0·70	46·2493	10·2
...	52·793	-6·068	-4	...	...	...	43·459	-17·786	0·65	...	...	...	36·853	+24·164	-5	...	...
...	52·616	+8·985	-4	...	...	...	43·421	+28·014	-4	...	...	*	36·830	-49·072	1·30	47·2195	9·4
...	52·502	+25·759	-5	...	...	...	43·190	-20·709	-5	...	...	*	36·646	+50·643	1·40	46·2494	9·3
71	-52·487	-3·393	0·65	...	...	131	-43·065	-0·190	-2	F	...	191	-36·560	-26·828	1·30	47·2196	9·2
...	52·386	+27·568	0·80	46·2469	10·2	...	43·043	-17·503	-3	...	...	8*	36·507	-15·987	-3	...	...
...	52·297	-43·912	-4	47·2165	10·2	...	42·992	-48·322	-5	...	...	...	36·463	-53·241	-3	...	...
*	52·234	+51·790	1·20	46·2471	9·2	...	42·829	+56·816	-4	...	...	*	36·078	+1·275	1·10	46·2495	9·8
...	52·091	-50·787	-5	...	...	...	42·812	+15·593	-5	...	...	...	35·737	+37·373	-5	...	...
*	52·081	+13·670	0·90	46·2470	10·2	*	42·679	-5·398	1·15	47·2182	9·6	...	-35·571	+26·653	-5	...	...
*	52·044	-4·102	1·10	46·2468	9·6	*	42·519	-23·075	1·20	47·2180	9·5	*	35·551	+8·918	1·60	46·2496	9·0	
...	51·919	-54·432	-2	47·2166	10·2	*	42·437	-34·361	1·20	47·2181	9·6	...	35·407	-12·347	-1	47·2197	10·2	
...	51·594	+19·903	-5	...	...	...	41·927	-5·143	0·80	47·2184	10·0	...	35·399	+18·627	-5	...	...
...	51·563	+39·733	-5	...	...	†	41·897	-39·771	-4	...	...	...	35·294	-7·010	-4	...	...
81	-51·401	+6·619	-3	141	-41·840	-57·490	-1	47·2183	10·0	...	201	-34·987	+36·633	-2
...	51·014	-50·418	-5	...	...	...	41·675	-25·995	-5	...	...	...	34·963	+32·043	-3	...	...
...	50·868	+1·851	-4	...	...	...	41·660	-35·815	-5	...	...	...	34·915	-11·255	0·65	47·2198	10·0
...	50·469	-31·384	-5	...	...	*	41·492	-22·363	1·25	47·2186	9·3	...	34·892	-5·302	0·70	47·2199	10·0
...	50·339	-36·737	-1	...	...	*	41·432	-36·364	1·05	47·2185	9·8	...	34·701	+25·522	-1	...	...
...	-50·113	+49·372	-4	...	...	*	41·176	+49·873	1·20	46·2484	9·4	*	-34·358	-7·934	2·00	47·2201	8·8
...	49·939	-9·357	0·80	...	...	*	41·164	+37·517	1·20	46·2483	9·4	*	34·296	-11·938	1·00	47·2202	9·8
...	49·899	+48·988	-2	46·2472	10·2	†	41·103	+35·041	-5	...	...	...	34·266	+21·739	-2	...	...
*	49·724	+51·786	1·00	46·2473	9·6	...	40·984	-44·279	-5	...	...	*	34·255	-52·507	1·10	47·2200	9·7
...	48·815	+54·098	-4	46·2474	10·2	...	40·895	+34·367	-2	...	...	...	34·058	-3·637	-2	...	...
91	-48·745	-7·468	-3	151	-40·717	-56·300	-1	47·2187	10·0	†	211	-33·925	+20·074	-2
...	48·548	-7·947	0·90	47·2172	10·2	...	40·565	-0·117	-5	F	...	...	33·898	-20·697	-1	...	...
*	48·515	-56·983	1·60	47·2169	9·2	...	40·471	+34·345	-4	...	...	...	33·754	-19·427	-5	...	...
*	48·414	+19·503	-5	...	...	...	40·401	+54·452	-4	...	...	...	33·694	+43·906	0·75	46·2497	10·2
*	48·346	-12·853	1·20	47·2173	9·2	...	40·334	+21·539	-5	...	...	...	33·668	-3·632	-2	...	...
...	48·268	+51·464	-5	...	...	†	40·324	+20·053	1·50	46·2485	8·8	...	-33·505	-7·337	0·70	47·2203	10·2
...	47·879	-18·477	-5	...	...	...	39·951	-4·759	0·70	46·2486	10·0	...	33·323	-42·959	-4	...	...
...	47·816	+44·104	-5	...	...	...	39·870	-44·897	-4	...	...	...	33·321	-36·458	-5	...	...
...	47·699	+16·313	-4	...	...	...	39·688	+17·431	-2	...	...	...	33·314	+10·665	0·80	46·2498	9·8
...	47·525	+19·333	-4	...	...	...	39·626	-23·772	-5	...	...	...	33·125	-22·935	1·40	47·2204	9·2
101	-47·479	+42·134	-5	161	-39·546	-16·273	-3	221	-33·058	+19·915	-5
*	47·479	-2·629	1·10	46·2475	9·4	...	39·448	-40·563	-3	...	...	*	32·751	-3·625	1·10	46·2499	9·8
...	47·445	-3·696	1·00	46·2476	9·8	...	39·446	+3·036	-3	...	...	...	32·695	-46·649	-5	...	...
...	47·144	+26·336	0·90	46·2477	10·0	...	39·354	+33·545	-5	...	...	...	32·564	+2·069	-2	...	...
...	47·136	-51·761	-5	...	...	...	39·327	-36·354	-4	...	...	...	32·456	-11·720	-4	...	...
...	-46·918	+55·965	-1	45·2467	9·8	*	39·065	-27·192	1·10	47·2188	9·6	...	-32·423	-42·246	-1	...	...
...	46·816	+12·553	0·85	46·2478	10·0	...	38·908	-10·860	-2	...	...	...	32·313	-11·204	-5	...	...
...	46·708	+7·666	-5	...	...	*	38·733	-19·256	1·10	47·2189	9·8	...	32·269	+51·257	0·95	46·2500	9·9
...	46·309	-35·803	-1	47·2174	10·2	...	38·702	-22·488	-2	...	...	...	32·227	+20·451	-4	...	...
...	46·210	-4·198	-2	...	...	...	38·677	+10·205	1·00	46·2487	10·0	...	31·860	+57·163	0·95	45·2495	9·8
III	* -46·154	+20·753	1·20	46·2479	9·4	...	-38·671	+34·643	-2	231	-31·789	-17·509	-5
...	45·870	+48·934	-5	...	...	...	38·654	-10·557	-5	...	...	...	31·708	-3·481	-3	...	...
...	45·847	+38·450	-5	...	...	...	38·577	+23·134	-5	...	...	†	31·678	-44·804	1·05	47·2205	9·8
*	45·730	+29·180	-4	...	...	...	38·479	-50·370	0·90	47·2190	9·9	...	31·473	+36·992	0·70	46·2501	10·2
*	45·533	-54·877	2·00	47·2175	9·1	...	38·302	+32·028	-5	...	...	*	31·098	+12·004	1·15	46·2502	9·6
...	-45·516	-30·153	-2	47·2176	10·2	*	38·211	+10·703	1·10	46·2488	9·6	...	-30·905	-56·648	-5	...	...
...	45·445	+5·144	-5	...	...	*	38·095	+51·683	1·20	46·2490	9·7	...	30·706	-23·071	-3	...	...
...	45·425	-36·683	-4	...	...	*	38·076	+45·372	-1	46·2489	10·2	...	30·650	-42·591	-4	...	...
...	45·270	-5·836	0·90	47·2177	10·2	*	37·738	-12·685	1·80	47·2191	9·0	...	30·625	+12·080	-5	...	...
*	44·886	+13·439	1·00	46·2480	9·8	*	37·671	-8·827	1·05	47·2193	9·9	...	30·546	+32·430	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.	
241-300																		
241	-30°458	+11°984	-5	.	...	...	301	-25°171	-31°811	-4	.	...	361	-16°853	-51°433	1°40	47.2236	8.8
...	30°419	-44°376	0°75	47.2206	10°2	...	24°837	+10°374	-5	.	...	...	...	16°725	+49°399	-5	...	...
...	30°192	+32°054	0°80	46.2504	9°9	...	24°747	-22°950	-3	.	...	...	...	16°703	-33°024	0°75	47.2237	10°2
+	30°161	-29°488	-5	...	...	...	24°512	-31°625	-5	...	...	...	...	16°638	-18°168	-5	...	...
+	30°035	+11°315	-5	...	...	*	24°408	+23°029	1°00	46.2513	9°5	...	...	16°548	+21°708	0°75	46.2522	10°2
+	-30°008	+20°875	1°30	46.2503	9°2	...	-24°298	+21°757	-4	...	...	...	...	16°541	-55°351	-5	...	...
...	29°964	+22°965	-4	...	...	...	24°224	+12°118	0°90	46.2514	10°0	...	...	16°378	+15°988	-5	...	...
...	29°939	+56°263	-5	...	...	...	24°203	+24°965	-5	...	...	...	...	16°241	+8°650	-5	...	...
*	29°933	-28°933	1°00	47.2207	9°6	*	23°998	+46°657	1°00	46.2515	9°6	*	...	16°140	+23°998	1°40	46.2523	9°2
...	29°918	-39°596	-5	...	...	...	23°949	-6°165	-5	...	...	...	...	15°925	+15°623	1°00	46.2524	9°8
301-360																		
251	-29°668	+12°556	-5	...	...	...	-23°948	-32°711	-4	...	...	...	...	-15°697	+11°534	-5	...	...
...	29°631	+53°132	-5	...	...	...	23°935	+44°736	-4	...	...	...	...	15°681	-56°468	-4	...	...
...	29°480	-0°788	0°75	...	...	*	23°926	+44°673	1°00	46.2516	9°6	...	...	15°594	+6°543	-4	...	...
...	29°391	-46°722	-4	...	...	*	23°685	-22°256	1°00	47.2217	10°0	...	...	15°421	+13°880	1°00	46.2525	9°9
...	29°377	+49°375	-1	46.2506	9°9	*	23°608	+39°426	1°00	46.2517	9°8	...	...	15°094	+49°689	-5	...	...
...	-29°340	+16°863	0°85	...	...	...	-23°279	-23°023	-4	...	...	...	...	-14°968	-33°659	-5	...	...
...	29°298	-0°466	-4	...	...	...	23°207	-25°277	-2	...	...	...	...	14°684	+54°269	-2	...	...
*	29°210	+12°594	1°00	46.2505	9°7	*	23°142	-26°153	2°00	47.2218	8°8	S*	...	14°575	-6°599	2°20	47.2240	8°6
*	29°162	+55°948	1°05	45.2499	9°6	...	23°028	+28°026	0°70	...	...	...	...	14°413	-10°667	-5	...	...
...	29°141	-48°249	-1	...	...	...	22°830	-33°884	0°65	47.2219	10°2	...	...	14°353	-21°678	-5	...	...
361-420																		
261	-28°925	+43°854	-5	...	...	...	-22°786	-13°729	0°70	47.2222	10°0	...	...	-14°316	-2°410	-5	B	...
*	28°621	+46°306	1°05	46.2507	9°6	*	22°698	-58°499	1°20	47.2220	9°3	...	...	14°251	-30°367	0°70	47.2241	10°0
...	28°594	-28°929	-2	...	...	*	22°661	-45°599	1°10	47.2221	9°7	...	...	14°126	+31°271	0°80	46.2526	10°0
...	28°518	+52°885	-5	...	...	*	22°455	-7°588	1°15	47.2223	9°4	...	...	14°105	-37°524	0°90	47.2242	10°0
...	28°452	+18°700	-5	...	...	...	22°261	-9°411	0°70	47.2224	10°2	*	...	14°080	-23°867	1°40	47.2243	9°6
...	-28°447	-24°975	0°80	47.2208	10°0	...	-22°134	+31°407	-5	...	...	...	...	-14°068	-26°584	-3	...	...
...	28°340	+7°686	-5	...	...	...	22°049	+19°187	-5	...	...	*	...	14°020	+18°639	1°30	46.2527	9°6
...	28°317	-19°203	-2	...	...	...	21°942	+51°324	-4	...	...	...	...	13°899	+13°700	-3	...	...
...	28°157	-2°143	-5	...	...	...	21°770	+4°356	0°90	46.2518	10°0	*	...	13°838	+31°271	1°60	46.2528	9°0
S*	28°135	+41°438	2°40	46.2508	8°3	...	21°737	-5°407	0°90	47.2226	9°8	...	...	13°737	-39°293	-3	...	...
271	-27°950	+25°464	-4	...	...	...	-21°637	+3°905	-4	...	...	...	...	-13°668	-20°272	-5	...	...
...	27°750	+26°869	-1	...	...	*	21°524	-47°831	1°05	47.2227	9°7	...	...	13°539	-26°811	-2	...	...
...	27°716	-17°215	0°90	47.2209	9°9	...	21°286	-54°103	1°00	47.2228	9°8	...	...	13°517	+38°074	-4	...	...
...	27°612	-26°925	-2	...	...	...	21°245	-45°505	1°00	47.2229	10°0	...	...	13°244	-38°401	-5	...	...
...	27°431	-3°824	-1	...	...	...	21°001	+59°678	-2	45.2519	10°2	...	...	13°029	+45°097	0°70	46.2529	9°9
...	-27°378	-25°857	-2	...	...	...	-20°968	+11°129	-3	...	...	*	...	-12°976	-43°589	1°00	47.2244	9°8
...	27°322	-9°434	-5	...	...	*	20°915	-52°311	1°20	47.2230	9°6	...	...	12°876	+17°251	0°75	46.2530	10°0
...	27°173	-44°217	-1	47.2210	10°2	*	20°841	+51°641	1°00	46.2519	9°8	*	...	12°798	-53°998	2°10	47.2245	8°6
*	27°119	+25°466	1°00	46.2509	9°8	*	20°799	-16°827	1°20	47.2231	9°5	...	...	12°773	+47°670	0°80	46.2531	10°0
...	27°090	+13°080	-5	...	...	...	20°605	+17°351	-5	...	...	...	...	12°460	-42°368	-1	...	...
281	-27°085	-13°064	1°15	47.2211	9°5	...	-20°556	+47°180	-4	...	...	...	...	-12°426	-54°396	-1	47.2246	10°2
...	27°063	-45°340	-4	...	...	...	20°554	-3°511	-4	...	...	...	...	12°037	-46°153	1°00	47.2247	9°8
...	26°907	-28°287	-4	...	...	...	20°477	-51°580	-5	A	...	*	...	11°978	+49°240	1°80	46.2532	8°9
...	26°879	+4°431	-5	...	...	...	20°417	+55°013	-5	...	...	...	...	11°959	+39°851	-5	...	...
...	26°648	+19°424	-5	...	...	...	20°250	+44°520	-4	...	...	...	...	11°725	-53°055	-5	...	...
...	-26°319	+52°626	-2	46.2510	10°2	+	-20°127	+19°942	1°00	46.2520	9°6	...	...	-11°676	+42°867	-5	...	...
...	26°233	-32°266	-4	...	...	...	20°002	-57°594	-5	...	...	*	...	11°644	+1°400	1°20	46.2533	9°7
...	26°134	-48°913	-4	...	...	...	19°824	+45°303	-1	46.2521	10°2	...	...	11°405	+8°355	-5	...	...
...	25°937	+19°349	-3	...	...	...	19°816	+15°659	-1	...	...	*	...	11°221	-46°154	1°00	47.2248	9°8
*	25°904	+17°555	1°00	46.2511	9°7	...	19°513	-38°705	0°80	47.2232	10°2	...	...	11°179	-27°895	-4	...	...
291	-25°899	+25°574	-5	...	...	...	-18°585	+8°523	-5	...	...	...	...	-10°828	+59°781	-5	...	...
...	25°853	-29°267	0°90	47.2212	9°9	...	18°304	-45°445	-4	...	...	...	...	10°759	-17°239	-5	...	...
*	25°720	-12°700	1°05	47.2213	9°5	...	18°278	-48°174	0°70	47.2233	10°2	...	...	10°702	+47°997	-1	46.2534	10°0
...	25°602	-9°597	0°70	47.2214	10°0	...	18°213	-46°585	-2	...	...	...	...	10°646	-0°741	-5	...	...
...	25°491	-11°746	-5	...	...	...	18°072	+14°111	-4	...	...	...	...	10°501	+24°584	-5	...	...
...	-25°476	-47°887	-4	...	...	S*	-17°656	-46°351	3°00	47.2234	7°8	...	...	-10°445	+57°532	-1	...	...
...	25°447	-37°794	0°65	47.2215	10°2	*	17°393	-28°881	1°50	47.2235	9°2	*	...	10°335	-44°630	1°50	47.2249	9°0
...	25°426	+54°448	-5	...	...	...	17°283	+10°951	-5	...	...	...	...	9°717	+32°895	0°80	46.2535	10°2
...	25°282	-46°596	1°00	47.2216	9°9	...	17°198	-33°471	0°75	...	...	...	...	9°603	+17°667	-3	...	...
*	25°273	+10°646	1°00	46.2512	9°6	...	17°084	-42°475	-5	...	...	...	...	9°359	+26°425	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.		
421-480																			
421	,	,					481	,					541	,					
...	- 9·149	- 11·749	- 3	o	- 1·389	- 55·240	- 5	o	+	5·712	- 6·966	1·00	47·2285	9·8
*	9·132	- 28·365	2·20	47·2250	8·0	...	...	1·176	+ 12·179	- 5	...	...	...	5·907	- 59·201	- 4	47·2286	10·2
...	9·039	+ 14·255	- 5	...	...	*	...	1·130	- 51·451	1·40	47·2266	9·6	...	5·982	+ 41·197	- 4	...	...
...	8·982	+ 42·942	0·65	...	...	*	...	0·968	- 54·968	1·20	47·2267	9·7	...	6·092	+ 36·742	- 5	...	...
...	8·842	+ 32·007	0·80	46·2536	10·2	...	...	0·958	- 31·809	- 5	M	...	*	6·522	- 31·310	1·20	47·2287	9·6
...	- 8·754	+ 55·059	- 4	...	...	...	...	- 0·552	+ 17·210	- 5	...	...	...	+ 6·635	+ 17·085	- 5	...	...
...	8·652	+ 34·450	0·70	46·2537	10·2	†	...	0·296	+ 34·970	- 1	46·2553	10·2	...	6·924	- 25·883	0·95	47·2288	9·8	
...	8·651	- 39·092	0·95	47·2251	9·9	...	...	- 0·074	+ 14·279	- 3	...	...	*	7·157	+ 33·710	1·00	46·2564	9·4
...	8·501	- 29·216	0·95	47·2252	9·8	S*	+	0·250	- 20·484	2·00	47·2268	8·4	S*	7·360	- 51·429	2·90	47·2289	7·8	
*	8·157	+ 28·713	1·20	46·2538	9·2	*	...	0·346	+ 45·123	1·00	46·2554	9·8	...	7·470	+ 11·086	0·90	46·2565	9·8	
431	- 8·033	+ 41·348	- 1	491	+	0·475	+ 46·654	- 4	+ 7·674	- 57·314	1·00	47·2291	9·8
...	7·972	- 35·097	- 3	...	...	*	...	0·488	- 29·405	1·00	47·2269	9·8	*	7·693	- 33·159	1·00	47·2290	9·6
...	7·813	- 12·989	- 5	m	...	...	...	0·576	- 28·482	0·70	47·2270	10·2	...	7·736	+ 53·860	- 5	...	...
...	7·771	+ 49·589	- 5	...	...	...	...	0·758	+ 4·591	- 2	...	...	...	7·853	- 38·004	- 5	...	...
...	7·641	- 25·302	- 5	...	...	*	...	0·770	+ 42·893	0·95	46·2555	10·2	...	7·865	+ 5·239	- 5	...	...
*	- 7·461	- 35·209	1·40	47·2253	9·2	*	+	0·786	- 7·554	1·00	47·2271	9·8	...	+ 7·917	+ 30·301	- 5	...	...
*	7·393	+ 28·190	1·10	46·2540	9·6	...	...	0·839	- 43·416	- 5	...	...	...	7·956	+ 41·256	- 2	...	...
...	7·368	+ 46·547	- 4	46·2539	10·2	...	...	0·880	- 51·743	- 2	47·2273	10·2	...	7·986	+ 6·862	0·90	46·2566	9·9
...	7·083	- 47·794	- 5	...	...	...	...	0·959	- 28·801	0·90	47·2272	9·9	...	8·006	- 0·010	- 4	...	...
*	7·031	- 23·881	2·20	47·2254	8·4	...	...	1·076	- 42·069	1·00	47·2274	9·8	...	8·078	- 20·134	- 4	...	...
441	- 7·028	- 14·742	1·00	47·2255	10·0	...	501	+	1·317	- 15·083	1·00	47·2275	9·8	...	+ 8·219	+ 16·669	- 5
...	6·934	+ 11·794	- 5	...	...	...	...	1·402	+ 54·164	- 5	...	...	*	8·240	- 32·911	0·90	47·2293	10·0
...	6·854	- 42·095	- 5	...	...	...	...	1·444	- 44·997	- 2	...	...	...	8·273	+ 34·228	0·80	...	...
*	6·775	+ 49·690	1·20	46·2541	9·7	...	...	1·484	+ 12·942	0·70	46·2556	10·2	...	8·428	+ 42·299	0·80	46·2567	10·2
*	6·756	- 15·103	1·00	47·2256	9·8	*	...	1·525	- 37·665	1·00	47·2276	9·8	...	8·453	- 23·479	1·00	47·2294	9·8	
...	- 6·743	- 11·314	- 2	...	...	...	...	+ 1·728	+ 37·286	- 5	...	...	...	+ 8·475	- 41·782	- 5	...	...
...	6·693	+ 2·580	- 4	...	...	...	...	1·894	- 36·494	- 3	...	...	...	8·678	+ 5·954	- 5	...	...
...	6·512	- 36·927	- 2	...	...	...	...	1·935	- 3·789	- 5	...	...	*	8·941	- 42·228	2·20	47·2295	8·4
...	6·152	- 12·008	- 4	...	...	S*	...	1·940	+ 22·646	3·00	46·2557	8·2	...	8·950	+ 30·102	- 4	...	...
*	5·481	+ 47·224	1·40	46·2542	9·4	...	...	2·007	- 24·109	- 4	...	...	...	9·052	+ 54·740	- 3	...	...
451	- 5·480	+ 40·703	- 5	511	+	2·303	+ 26·250	- 5	+ 9·080	- 3·088	- 5	m	...
+	5·257	- 16·485	1·00	47·2257	9·8	...	...	2·455	- 22·115	- 5	...	...	...	9·121	- 33·618	- 2	...	...
...	4·873	- 23·273	- 4	...	...	...	...	2·500	- 9·996	- 4	...	...	...	9·125	+ 30·960	0·90	46·2568	10·0
...	4·820	+ 34·063	0·75	46·2543	10·0	†	...	2·541	- 34·748	0·70	...	...	n*	9·299	- 35·718	5·00	47·2296	6·4
*	4·640	+ 13·882	1·40	46·2544	9·4	...	...	2·686	+ 14·455	0·95	46·2558	9·8	...	9·310	- 29·564	- 5	...	...
...	- 4·436	+ 40·974	- 1	46·2545	10·2	*	...	+ 2·825	+ 56·769	1·00	45·2555	9·4	...	+ 9·326	+ 8·425	1·00	46·2569	9·9	
†	4·406	+ 59·929	0·70	45·2542	9·8	*	...	2·849	- 39·304	1·00	47·2279	9·5	...	9·476	+ 35·807	- 1	...	...
...	4·193	- 32·575	- 5	...	...	...	...	2·856	- 46·028	- 2	...	...	n*	9·514	- 35·473	2·00	47·2296	6·4
...	4·148	- 48·412	- 2	...	...	...	...	3·065	- 30·918	- 5	...	...	*	9·630	+ 41·054	1·00	46·2570	9·8
...	3·853	- 39·245	- 4	...	...	...	...	3·113	- 16·658	0·70	47·2278	10·0	...	9·695	+ 10·662	- 5	...	...
461	- 3·824	- 20·580	2·40	47·2260	8·3	...	521	+	3·137	- 42·302	- 5	m	...	+	9·847	- 43·932	1·00	47·2297	9·5
...	3·802	+ 19·557	0·95	46·2546	9·9	*	...	3·173	+ 24·546	1·00	46·2559	9·7	...	9·945	+ 50·852	- 2	46·2571	10·0	
...	3·710	+ 38·913	- 3	...	...	...	...	3·363	- 30·289	1·00	47·2280	9·8	...	10·146	+ 16·908	0·70	46·2572	10·2
...	3·574	- 47·656	1·00	47·2263	10·0	*	...	3·436	+ 22·701	1·20	46·2561	9·2	...	10·146	+ 0·945	- 5	...	...
*	3·401	- 28·215	1·20	47·2262	9·6	...	...	3·456	- 18·738	- 5	M m	...	...	10·164	- 32·604	- 2	...	...
...	3·116	+ 0·618	- 1	46·2548	10·2	...	...	+ 3·462	+ 50·675	- 4	...	...	...	+ 10·360	- 8·688	0·90	47·2298	10·0
*	3·097	+ 14·563	1·30	46·2547	9·4	*	...	3·510	+ 28·359	1·00	46·2560	9·6	...	10·432	- 14·105	- 2	...	...
*	2·962	+ 24·649	1·00	46·2549	9·8	*	...	3·525	- 6·421	1·80	47·2281	8·6	...	10·725	- 54·028	- 5	...	...
...	2·958	- 54·267	- 5	m	...	...	...	3·643	- 35·850	- 2	...	...	...	10·820	+ 19·630	- 4	...	...
...	2·803	- 57·550	- 5	...	...	...	...	3·760	- 13·144	- 5	M	...	...	11·046	- 50·166	- 1	47·2299	10·2
471	- 2·607	- 25·922	1·10	47·2264	9·6	...	531	+	3·868	- 24·186	0·75	47·2282	10·2	...	+ 11·084	+ 24·754	- 5
...	2·419	+ 55·269	- 3	...	...	...	...	4·044	- 29·469	- 5	...	...	...	11·428	+ 3·552	- 5	...	...
...	2·394	+ 27·990	- 3	46·2550	10·2	...	...	4·175	- 19·042	- 5	...	...	...	11·442	+ 28·082	0·90	46·2573	10·0
*	2·053	- 20·331	1·10	47·2265	9·5	...	...	4·232	+ 24·860	1·00	46·2562	9·7	*	11·483	- 36·911	1·10	47·2300	9·6
...	1·939	+ 17·685	- 5	...	...	...	...	4·408	- 45·384	0·90	47·2283	10·2	...	11·508	- 24·904	- 2	...	...
...	1·813	- 45·025	- 5	...	...	...	...	+ 5·126	+ 20·135	- 4	...	...	*	+ 11·522	+ 26·430	1·60	46·2574	8·8
*	1·742	+ 25·407	1·30	46·2551	9·6	...	...	5·204	+ 37·383	0·70	46·2563	10·0	...	11·542	+ 1·693	0·90	46·2576	9·9
*	1·667	+ 30·949	1·60	46·2552	9·0	...	...	5·255	+ 35·619	- 2	...	...	...	11·739	- 15·810	- 5	...	...
...	1·649	- 36·412	- 3	...	...	*	...	5·345	- 31·368	1·00	47·2284	9·6	...	11·768	- 38·611	0·90	47·2302	10·0
...	1·408	- 11·026	- 4	...	...	...	...	5·651	- 55·514	- 5	...	...	*	11				

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
601-660																		
601	+11°818	-37°093	1°05	47.2301	9·6	661	+18°581	-51°421	-4	...	...	721	+25°260	-54°136	1°40	47.2338	9·2
...	11°839	-17°174	-5	...	...	...	18°610	+17°417	-3	46.2590	10·2	...	25°288	+29°248	-4	...	...
...	11°913	+32°050	-5	...	...	*	18°700	+48°154	1°15	46.2589	9·6	*	25°405	-23°736	1°30	47.2337	9·6
...	12°063	+36°527	0·90	46.2577	9·8	...	18°716	-20°376	-3	...	...	...	25°416	+10°404	-2	46.2608	10·2
...	12°363	+37°296	-5	...	...	...	18°756	+15°445	-5	...	...	...	25°475	+43°199	-4	46.2607	10·2
...	+12°603	-38°627	-5	...	...	*	+18°766	-23°049	1°30	47.2323	9·4	...	+25°659	+17°032	0·75	46.2609	10·2
...	12°671	-30°809	-2	...	...	...	18°919	-58°804	-5	...	...	...	25°770	+18°737	-5	...	...
*	12°713	+34°098	1°00	46.2578	9·8	...	19°086	+23°383	-2	46.2592	10·2	...	26°044	+4°367	-4	...	...
*	12°713	-28°103	2°00	47.2303	8·8	*	19°096	+6°413	1°20	46.2593	9·6	...	26°287	-43°304	0·90	47.2340	10·0	
...	12°722	+40°205	-4	...	...	...	19°143	-20°110	-1	...	...	...	26°378	-48°068	1°10	47.2339	9·8
661-720																		
611	+12°773	-36°795	1°00	47.2304	9·8	*	+19°161	+49°076	1°10	46.2591	9·7	...	+26°379	-53°044	-5	...	...
...	12°878	+25°899	-4	...	...	...	19°284	-22°799	-5	...	...	...	26°411	-46°895	-1	...	...
...	13°341	+1°357	0·80	46.2579	10·0	†	19°338	-29°775	-4	...	...	...	26°445	+57°284	-3	45.2591	10·2
*	13°364	-27°338	1°00	47.2305	9·7	...	19°411	-13°284	0·70	47.2324	10·2	...	26°509	-18°369	-5	...	...
...	13°689	-52°488	-5	...	...	*	19°477	-15°224	1°20	47.2325	9·6	...	26°534	+11°350	-5	...	...
...	+13°877	-46°607	0·90	47.2306	9·9	*	+19°501	-36°646	1°00	47.2326	9·8	...	+26°556	-33°428	0·90	47.2341	10·0	
...	14°123	-27°158	-5	...	...	...	19°658	+36°097	-5	...	...	...	26°984	-0°720	-1	46.2611	10·2
...	14°124	-23°709	-5	...	...	...	19°827	-16°800	-5	...	...	...	27°129	+17°727	1°00	46.2610	10·0
...	14°239	-34°298	-5	...	...	...	19°941	-54°505	-5	...	...	...	27°465	-59°007	-5	...	...
...	14°249	-36°780	0·90	47.2307	10·0	...	20°116	+41°036	-1	46.2595	10·2	†	27°469	-54°770	-4	...	...
621-780																		
621	+14°250	+26°619	-5	...	...	*	+20°122	+39°263	1°05	46.2594	9·8	*	+27°650	+0°318	1°40	46.2612	9·3
...	14°357	-23°407	-5	...	...	...	20°261	-27°975	-4	...	...	...	27°796	-37°470	-1	47.2342	10·2
*	14°500	+4°591	1°00	46.2580	9·8	...	20°438	+21°393	-5	...	...	...	27°995	+12°792	-5	...	...
...	14°632	-23°542	-3	...	...	...	20°541	+40°550	0·90	46.2596	10·2	...	28°591	-52°525	-5	...	...
...	14°647	-57°784	-5	...	...	...	20°883	-20°601	-5	...	...	*	28°864	-0°606	1°00	46.2613	9·8
N†	+14°763	+0°311	-4	46.2582	10·2	...	+21°040	+25°570	-4	...	...	...	+28°964	+49°710	-5	...	...
†	14°794	+53°313	-5	...	...	...	21°324	-42°824	-4	...	...	...	29°081	-37°655	1°00	47.2343	9·9
†	14°841	-15°574	0·70	47.2308	10·0	*	21°336	-19°812	1°40	47.2328	9·2	...	29°103	+22°920	-5	...	...
*	14°901	-35°633	1°40	47.2309	9·1	...	21°876	+53°957	-1	46.2597	10·2	*	29°148	-45°216	1·80	47.2344	9·0	
†	14°975	+39°943	-5	...	...	...	21°961	+7°176	-4	...	...	...	29°268	+1°291	0·75	46.2614	10·2
631	+15°163	+51°715	-1	46.2581	10·2	α	+22°008	-0°088	0·90	46.2599	9·9	*	+29°362	-43°942	1°20	47.2345	9·6	
...	15°376	-5°462	-4	...	...	...	22°037	+44°389	0·65	46.2598	10·0	...	29°463	-14°388	-4	...	...
...	15°462	-35°747	-5	...	...	...	22°220	+40°657	-5	...	...	†	29°731	+26°219	-5	...	...
...	15°492	-45°140	1°00	47.2311	9·8	*	22°465	+19°336	1°40	46.2600	9·0	...	30°082	-22°684	0·70	...	...
*	15°573	-25°653	1°10	47.2310	9·8	...	22°615	-34°635	-3	...	...	...	30°138	-16°346	0·90	47.2346	10·2
...	+15°596	+34°151	-4	...	...	...	+22°649	-14°249	-3	...	...	...	+30°143	+22°112	-5	...	...
...	15°806	-14°004	-5	...	...	...	22°708	-28°530	-1	47.2329	10·2	...	30°218	+32°556	-4	...	...
...	15°808	-27°966	0·65	47.2313	10·2	...	22°766	-16°254	-5	...	...	...	30°258	+44°017	-5	...	...
...	15°808	-28°597	0·65	47.2312	10·2	...	22°828	-27°686	-2	47.2330	10·2	...	30°279	+48°522	-4	...	...
...	15°833	-55°793	1°00	47.2315	10·0	...	22°875	-2°005	0·65	...	...	...	30°355	+50°408	-5	...	...
701-761																		
641	+15°859	-41°498	3°00	47.2314	7·8	...	+23°212	+8°714	-2	...	...	...	+30°362	+11°020	-5	...	...
...	16°140	-53°702	-3	47.2317	10·0	...	23°224	+27°465	1°00	46.2601	9·8	...	30°381	-37°338	-5	...	...
...	16°202	+17°982	-3	46.2583	10·2	...	23°322	-0°726	0·75	46.2602	10·0	*	30°394	-31°865	4·00	47.2348	7·3	
...	16°242	-29°356	-1	47.2316	10·0	...	23°605	+17°981	-4	...	...	...	30°395	+56°934	-5	...	...
...	16°592	+44°730	-4	...	...	...	24°004	-7°541	0·80	47.2331	10·0	...	30°399	+25°547	0·80	46.2616	10·2
*	+16°596	+20°310	1°40	46.2584	9·0	...	+24°004	-51°439	-2	...	...	...	+30°424	+40°055	-5	...	...
...	16°957	-2°796	-5	...	...	*	24°043	+34°138	-5	...	...	+	30°480	-19°813	2·00	47.2347	8·8
...	16°997	+4°037	-5	...	...	*	24°134	+13°061	1°10	46.2603	9·6	...	30°506	-39°719	0·90	47.2349	10·2
...	17°110	+14°827	0·65	46.2585	10·2	...	24°140	-52°578	-1	47.2334	10·2	...	30°525	+51°833	-1	46.2615	10·0	
...	17°117	-11°225	1°00	47.2318	9·8	...	24°234	-48°606	-5	...	...	...	30°555	-43°586	-5	...	...
711-771																		
651	†	+17°129	+5°059	-1	46.2586	9·8	...	+24°446	-57°200	1°10	47.2336	9·8	α	+31°146	-0°061	0·90	46.2618	10·0
...	17°431	+32°053	-2	46.2587	10·2	...	24°466	-7°835	0·65	47.2332	10·2	...	31°264	-13°897	-4	...	...
...	17°538	+38°725	0·70	46.2588	10·2	...	24°515	+26°802	0·90	46.2604	10·0	...	31°457	+55°754	-1	45.2599	10·0	
...	17°641	-5°427	0·90	47.2319	9·9	...	24°527	+4°516	-5	...	...	*	31°464	+49°071	1°40	46.2617	9·2
...	17°713	-38°694	-5	...	...	*	24°570	+5°622	1·05	46.2605	9·8	...	31°466	+14°807	-1	46.2619	10·0
...	+17°833	-18°913	0·90	47.2320	10·0	...	+24°582	-49°906	-5	...	...	...	+31°543	-17°038	-4	...	...
...	18°007	-10°164	0·80	47.2321	10·0	...	24°592	-6°140	-1	47.2333	10·2	...	31°641	-40°776	-5	...	...
...	18°214	-4°689	-5	m	...	†	24°733	-26°157	-4	47.2335	10·2	...	31°706	-48°643	-5	...	...
...	18°217	-26°370	-5	...	...	...	24°815	-42°707	-5	...	...	...	31°764	+26°110	-5	...	...
*	18°355	-22°914	1°30	47.2322	9·4													

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.		
781-840																			
781	+31°766	-38°758	1°00	47.2350	9°8		841	+39°474	+58°911	-5	°	...		901	+46°538	-37°223	1°40	47.2379	9°4
...	32°011	-2°113	-5	b	39°893	+18°214	0°85	46.2635	10°0		...	46°605	+22°522	0°70	46.2648	10°0
...	32°044	+27°054	-5	39°930	+20°832	-5	46°685	+56°447	1°15	45.2626	9°6
...	32°110	+11°049	-4	39°946	-42°339	-5	46°810	+49°053	-4
...	32°203	+56°763	-5	40°108	-4°138	-5	46°859	+57°048	1°10	45.2627	9°8
...	+32°247	+8°265	-4	+40°213	-28°185	-5	+47°055	-58°065	-5
*	32°247	-6°507	2°00	47.2351	8°4		...	40°287	-36°575	-1	47°101	+11°862	-3
...	32°287	-23°193	-4		*	40°298	+47°365	1°00	46.2634	9°8		...	47°307	-43°119	-5
*	32°425	-40°986	1°20	47.2352	9°7		...	40°324	-47°328	-5	47°544	+16°254	-5
...	32°759	+31°690	-4	40°367	-6°940	-3	47.2364	10°2		...	47°572	-8°845	-5
791	+32°868	+22°568	-5		851	* +40°623	-56°184	3°00	47.2365	8°2		911	+47°595	-40°790	0°90	47.2381	10°0
...	33°032	+25°175	-2	...	46.2620	9°8	...	40°671	+47°637	-4	47°656	-9°827	-5
...	33°071	+25°202	-1	40°720	+49°715	-2	46.2636	10°0	S*	47°743	-16°202	3°40	47.2380	7°6	
...	33°221	+19°789	1°00	46.2621	9°8		...	41°296	-15°440	0°70	47.2366	10°2	...	47°949	-11°143	-5	
...	33°383	+33°222	-4	41°537	+47°658	1°00	46.2637	9°8	...	47°963	-19°599	-4	
...	+33°514	+8°235	-4	+41°831	+52°153	-4	*	+48°154	+18°957	1°15	46.2649	9°6	
...	33°530	+59°083	-4	45.2606	10°2		...	41°973	+48°809	-2	48°157	-1°251	0°70	
...	33°540	-5°302	-4	42°041	+0°875	-5	48°449	+12°261	-4	
...	33°609	-18°369	-3	42°132	-32°372	0°65	48°642	+13°736	-1	
...	33°626	+34°426	0°90	42°301	+47°321	-5	48°763	-13°372	-5	
801	+33°729	-16°505	1°40	47.2353	9°5		861	+42°329	-53°016	-1	47.2369	10°2		921	+48°788	+55°864	-3	45.2630	10°2
*	33°800	-34°670	2°00	47.2355	8°3		...	42°481	-1°948	-5	48°919	+19°497	-2	
...	33°871	-9°036	0°70	47.2354	10°2		...	42°529	-1°831	0°70	48°928	+3°216	-3	
...	34°015	+11°510	-2		*	42°637	-51°526	1°35	47.2370	9°2	...	48°963	-14°019	1°00	47.2382	9°8	
*	34°230	+51°933	1°00	46.2622	9°8		...	42°692	-18°921	1°00	47.2368	9°8	...	49°132	-31°118	-1	
...	+34°388	-2°140	-5	+42°733	-5°949	-3	+49°204	-13°121	1°00	47.2383	9°8	
...	34°514	+11°151	-5	42°810	+19°148	0°70	49°237	-29°739	-5	
†	34°537	+25°019	1°00	46.2623	10°2		...	42°863	+34°242	-5	S†	49°327	+40°071	1°20	46.2650	9°4	
...	34°609	-9°381	0°70	47.2356	10°2		...	42°880	-4°253	1°00	46.2640	10°0	...	49°382	+16°946	-5	
...	34°714	-38°325	-5	42°998	+44°210	0°90	46.2638	10°0	†	49°409	+44°999	1°05	46.2651	9°8	
811	+34°973	+44°027	-4		871	+43°024	+27°296	-3		931	* +49°508	+21°999	1°20	46.2652	9°6
...	35°000	-0°511	-5	43°125	-18°120	-5	*	49°527	-4°395	1°20	46.2654	9°7	
...	35°105	-44°979	0°90	47.2357	10°0		...	43°378	-26°938	0°90	47.2371	10°2	...	49°889	-15°186	-1	
S*	35°231	+5°685	3°95	46.2624	7°4		...	43°415	-28°020	0°90	47.2372	10°2	...	50°213	+30°277	0°70	
...	35°644	-32°239	-2	43°417	+7°147	0°90	46.2641	10°2	*	50°225	+52°817	2°00	46.2653	8°8	
...	+35°794	-27°276	-4		*	+43°456	+44°554	1°10	46.2639	9°4	...	+50°300	-58°768	0°95	47.2386	9°8	
*	35°858	-28°739	2°00	47.2359	8°4	n*	43°745	-51°389	1°30	47.2374	8°8	...	50°318	-42°810	0°90	47.2385	9°9		
*	35°984	-13°460	1°05	47.2358	9°6	...	43°751	+13°875	0°90	46.2642	10°2	...	50°556	-32°378	-2	...	...
*	36°211	+21°545	1°00	46.2625	9°7	n	43°840	-51°498	1°00	47.2374	8°8	...	51°075	-18°081	-5	...	...
...	36°225	+5°603	0°70	...	...	n*	44°114	-23°108	2°00	47.2373	8°9	...	51°137	+50°874	0°70	46.2655	9°8
821	+36°414	+0°704	-5	...	...	n	+44°244	-22°953	0°70	...	...		+51°194	-30°586	0°90	47.2388	9°8
*	36°673	-28°024	1°00	47.2361	9°6	...	44°319	+0°891	-5	...	...	...	51°455	-8°661	-1	47.2387	10°2
...	36°866	+7°753	1°00	46.2627	9°8	...	44°319	-18°394	-5	e	...	...	51°593	+32°118	-4	...	...
...	36°953	-57°717	-5	...	...		44°407	+15°969	-2	...	...	...	51°709	-29°509	-5	...	...
*	36°968	-26°826	1°00	47.2362	9°8	...	44°524	+48°511	1°00	46.2643	9°8	...	51°898	-47°294	-3	47.2391	10°2		
...	+37°384	+45°729	-1	46.2626	9°8	...	+44°552	+2°984	-5	...	...	...	+51°994	-1°557	-1	...	...
...	37°445	-3°670	-5	...	...	†	44°688	+34°040	-5	...	...	...	52°125	-23°578	-5	...	...
...	37°744	+0°757	-5	...	...	*	44°881	-23°823	1°00	47.2376	9°8	...	52°524	-7°312	-2	47.2390	10°2
*	37°851	+51°147	1°20	46.2628	9°4	...	45°061	+47°487	-5	...	...	...	52°636	-9°631	-3	...	...
*	38°094	-5°186	1°00	47.2363	9°7	...	45°280	+51°855	1°15	46.2644	9°8	*	52°804	+17°706	1°20	46.2656	9°4		
831	+38°167	+46°618	1°00	46.2629	10°0	...	+45°366	+30°312	-5		951	+52°813	+56°697	0°90	45.2638	9°8	
...	38°503	+22°915	-5	...	...	*	45°451	+53°849	-3	46.2645	10°2	...	52°870	-32°083	0°70	...	...
...	38°855	+30°939	-4	...	...	*	45°617	+17°598	3°00	46.2646	8°0	...	52°96c	+24°374	0°65	46.2657	10°2
...	38°864	-3°016	-5	b	...	...	45°704	-14°682	-4	e	...	...	53°204	-14°747	-3	...	...
...	38°953	+59°406	-1	45.2616	10°0	...	45°748	-17°465	-5	...	...	...	53°303	+0°973	0°70	46.2658	10°0
*	+39°000	+0°481	2°00	46.2632	8°8	*	+45°922	-21°008	1°40	47.2377	9°2	†	+53°347	-24°837	-5	...	...
...	39°041	+47°085	-2	46.2630	10°2	...	45°949	+16°380	1°00	46.2647	9°9	...	53°408	-1°355	-5	...	...
...	39°364	-20°667	0°70	...	...	*	46°068	-30°881	1°20	47.2378	9°6	...	53°617	-20°464	1°00	47.2393	10°0
*	39°380	+52°537	1°20	46.2631	9°5	...	46°199	+4°512	-5	...	...	...	53°652	-2°476	0°65	...	...
...	39°420	+16°648	0°90	46.2633	9°9	...	46°471	+47°793	-5	...	...	*	54°103	+21°845	3°00	46.2659	7°8

877, 879. C.P.D., mass.

880, 881. C.P.D., probably mass.

937. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
961-980																	
961	+54°222	-33°574	2°00	47.2394	8.8	981	+56°162	-0°208	-3	...	...	1001	+59°168	-2°953	1°20	46.2670	9.4
*	54°284	-8°361	-5	...	...	...	56°352	-29°449	-5	...	...	...	59°181	-29°189	1°00	47.2402	9.8
...	54°409	+39°348	-5	...	...	...	56°539	+22°869	-3	...	...	...	59°247	-5°251	-5	...	...
...	54°442	+25°395	-3	46.2660	10.2	n	56°601	-23°792	-5	47.2397	10.2	...	59°327	+14°379	-2	46.2669	10.2
...	54°533	-53°215	-5	...	...	...	56°609	+16°089	-5	...	...	...	59°422	-38°971	-4	...	...
...	+54°728	+8°665	-5	...	...	n	+56°718	-23°780	-5	47.2397	10.2	...	+59°427	-4°263	-3	...	...
...	55°006	-11°160	-5	...	...	...	56°765	-33°604	-1	...	...	+	59°575	-31°273	1°10	47.2403	9.7
*	55°076	+50°337	1°20	46.2661	9.6	*	56°858	+12°218	1°30	46.2666	9.6	+	59°575	-31°273	1°10	47.2403	9.7
...	55°142	-15°415	-5	...	...	*	56°982	-56°475	1°40	47.2400	9.4	...	...	...	...	...	...
...	55°160	-11°649	-5	...	...	...	57°070	-32°362	1°00	47.2398	9.8	...	...	...	...	...	...
971	+55°197	+39°650	1°40	46.2662	9.2	991	+57°142	-31°454	1°20	47.2399	9.5	...	...	...	...	...	...
...	55°224	+27°509	-3	...	...	...	57°214	-16°333	-4	...	...	...	...	...	...	...	...
...	55°283	-30°583	0°90	47.2396	9.8	...	57°402	+38°496	-5	...	...	...	...	...	...	...	...
*	55°366	+22°608	1°10	46.2663	9.7	...	57°473	-13°190	-4	...	...	...	...	...	...	...	...
*	55°479	-10°405	1°40	47.2395	9.2	...	57°912	+10°293	-4	...	...	...	...	...	...	...	...
...	+55°572	+28°297	-5	...	...	...	+58°078	+15°254	0°95	46.2667	10.0	...	...	...	...	...	...
...	55°784	-4°359	0°70	46.2665	10.2	*	58°222	+18°655	1°20	46.2668	9.6	...	...	...	...	...	...
*	55°992	+51°268	1°40	46.2664	9.4	...	58°297	+2°480	-4	...	...	...	...	...	...	...	...
...	55°997	+6°222	-5	...	...	...	58°712	-52°361	0°70	47.2401	9.9	...	...	...	...	...	...
...	56°086	-6°274	-4	...	...	...	59°022	+2°212	-4	...	...	...	...	...	...	...	...

984, 986. C.P.D., mass.

1-30						31-60						61-90					
I	-59°907	-56°506	3°00	47.2365	8.2	31	-57°357	-2°075	-5	M	...	61	-54°555	+2°157	-5	°	...
+	59°796	-2°241	-5	...	...	n	57°353	-23°175	0°95	47.2373	8.9	...	54°534	+35°702	-5	...	...
...	59°748	-2°116	-2	...	...	...	57°292	+56°885	1°10	45.2627	9.8	...	54°489	-8°956	-3	...	...
...	59°405	-6°224	-5	...	...	*	57°247	+17°410	3°00	46.2646	8.0	†	54°366	-9°949	-1	...	...
...	59°359	+48°281	1°10	46.2643	9.8	...	57°092	+48°887	-3	...	...	‡	54°362	+44°915	1°10	46.2651	9.8
...	-59°317	-4°532	1°00	46.2640	10.0	n *	-56°935	-51°619	1°80	47.2374	8.8	...	-54°289	+12°158	0°70	...	...
...	59°172	-32°661	1°00	...	...	...	56°902	+16°186	1°00	46.2647	9.9	S *	54°286	+39°990	1°80	46.2650	9.4
...	59°145	+6°897	1°00	46.2641	10.2	n	56°835	-51°714	1°00	47.2374	8.8	...	54°280	+6°755	-5	...	...
...	59°111	-20°595	-5	...	...	...	56°686	-24°035	1°00	47.2376	9.8	...	54°248	-56°100	-5	...	...
*	59°040	-19°186	1°10	47.2368	9.8	...	56°485	-49°410	-5	...	...	...	54°145	-1°362	0°95	...	...
II	-59°024	+13°632	0°90	46.2642	10.2	41	-56°433	+22°353	1°00	46.2648	10.0	71	-54°133	+13°638	0°95	...	...
...	58°788	+47°260	-3	...	...	...	56°349	-3°880	-5	M	...	...	54°049	+19°402	0°80	...	...
...	58°736	+33°810	-2	...	...	...	56°303	-15°713	-5	M	...	S *	54°048	-16°309	4°05	47.2380	7.6
...	58°710	+51°657	1°00	46.2644	9.8	...	56°284	-28°966	-4	...	...	...	54°024	-11°249	-4	...	...
...	58°619	-18°378	-5	...	...	...	56°276	-29°195	-4	...	...	*	53°773	+52°760	2°50	46.2653	8.8
...	-58°599	+53°629	-3	46.2645	10.2	...	-56°265	+4°337	-4	...	...	...	-53°745	-19°703	-1	...	...
...	58°430	+15°731	-4	...	...	...	56°163	-14°856	-3	E	...	...	53°658	-43°236	-2	...	...
...	58°299	-53°293	-2	47.2369	10.2	...	56°020	-17°649	-4	...	...	*	53°523	+21°934	1°20	46.2652	9.6
...	58°092	-27°179	1°00	47.2371	10.2	*	55°745	-21°180	1°70	47.2377	9.2	...	53°516	+3°132	0°90	...	...
...	58°046	+0°662	-3	...	...	...	55°609	+11°720	0°70	...	...	...	53°496	+16°867	0°75	...	...
21	-58°037	-51°787	1°80	47.2370	9.2	51	-55°483	-12°435	-5	M	...	81	...	...	...	...	...
...	58°019	-28°272	1°00	47.2372	10.2	...	55°329	+55°774	-2	45.2630	10.2	...	53°439	-58°188	-5	...	...
...	57°928	+30°095	-5	...	...	...	55°310	+16°114	-4	...	...	...	53°198	+57°422	-5	...	...
...	57°877	+2°765	-4	...	...	*	55°274	-31°044	1°20	47.2378	9.6	...	53°150	-16°983	-5	M	...
...	57°789	+5°846	-5	...	...	...	55°265	-42°548	-5	M	...	...	53°141	-13°450	-3	...	...
...	-57°498	-12°667	-4	M	...	...	-54°958	+6°766	-5	M	...	...	-53°081	+30°211	1°00	...	...
n *	57°484	-23°329	2°00	47.2373	8.9	...	54°921	-48°278	-5	...	...	*	52°920	-14°090	1°10	47.2382	9.8
...	57°436	-18°616	-4	E	...	*	54°790	+18°835	1°20	46.2649	9.6	...	52°814	+50°848	1°05	46.2655	9.8
...	57°424	+56°276	1°20	45.2626	9.6	*	54°608	-37°353	1°40	47.2379	9.4	*	52°711	-13°185	1°10	47.2383	9.8
...	57°377	+47°619	-3	...	...	...	54°559	+4°027	-4	...	...	*	52°669	-4°452	1°20	46.2654	9.7

L measured from 1, 465, 926.
C .., .., 254, 713, 1263.27, 32. C.P.D., probably mass.
36, 38. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
	91-150						151-210						211-270					
91	-52·640	+5·253	-5	o	...	151	-47·788	-8·263	-2	o	...	211	-42·917	-55·949	-1	o	...	
...	52·581	-6·063	-5	M	...	*	47·685	+22·719	1·10	46.2663	9·7	*	42·893	+39·221	1·00	46.2673	9·8	
...	52·501	-6·168	-4	M	...	...	47·668	+28·414	-4	...	...	...	42·833	+39·972	-4	...	...
...	52·435	-55·067	-5	...	...	...	47·638	+31·293	-4	...	...	...	42·778	-4·020	0·80	...	...
...	52·280	-12·743	-5	M	...	...	47·519	-32·449	-4	...	...	...	42·721	-25·360	-4	...	...
...	52·206	-31·167	-1	...	...	...	47·384	+14·676	-3	...	...	...	-42·675	+27·428	-5	...	...
...	52·151	-29·797	-5	...	...	...	47·347	-6·658	-5	M	...	...	42·588	-57·186	-5	...	...
...	52·144	+19·372	-5	...	...	*	47·035	-33·460	2·20	47.2394	8·8	...	42·581	+7·984	-5	...	...
...	52·066	-53·836	-4	...	...	...	46·976	-11·060	-4	...	...	...	42·561	+24·071	-5	...	...
...	52·003	-22·789	-5	...	...	...	46·795	-11·542	-4	...	...	...	42·493	-7·350	-3	...	...
101	-51·944	-15·234	1·00	...	...	161	-46·710	-15·294	0·70	...	...	...	-42·465	+23·679	-5	...	...
...	51·917	-18·091	-5	M	...	...	46·657	+20·360	-5	M	...	...	42·398	-35·649	-4	...	...
...	51·795	-13·903	-5	M	...	...	46·558	-9·224	-5	M	...	...	42·381	-15·513	-5	M	...
...	51·766	+32·102	-1	...	...	...	46·549	+3·826	-5	...	...	...	42·374	+41·148	-4	...	...
...	51·354	+8·081	-5	...	...	...	46·530	+6·357	-2	...	...	*	42·233	-28·932	1·20	47·2402	9·8
...	51·317	+56·721	1·00	45.2638	9·8	...	-46·523	+23·022	0·90	...	...	...	-42·182	+3·715	-4	...	...
...	51·205	+3·058	-4	...	...	*	46·519	-10·284	2·00	47.2395	9·2	*	42·058	+13·129	1·20	46·2674	9·7
...	50·753	-32·390	-1	...	...	...	46·423	-4·220	1·00	46.2665	10·2	...	42·017	-21·078	-2	...	...
n	50·679	-18·089	-4	...	...	...	46·383	-26·693	-4	M	...	...	41·960	-52·108	1·10	47·2401	9·9
111	50·638	-42·835	1·00	47.2385	9·9	†	46·264	-9·952	-5	...	...	...	41·812	+28·105	2·00	46·2675	9·3
...	-50·633	+43·767	-5	...	...	171	-46·235	+16·232	0·70	...	...	*	-41·757	-31·013	1·20	47·2403	9·7
...	50·592	-8·659	0·95	47.2387	10·2	...	46·203	-24·035	-5	M	...	...	41·675	-38·695	1·00	...	...
...	50·438	-42·650	-5	...	...	...	46·185	+0·357	0·90	...	...	*	41·556	+31·296	1·30	46·2676	9·2
...	50·394	-37·138	-5	...	...	...	46·159	+38·672	-2	...	...	...	41·469	+50·898	-5	M	...
...	50·289	-1·538	1·00	...	...	...	46·102	-53·106	-1	...	...	*	41·466	-9·677	1·00	47·2404	10·2
...	50·177	-19·571	-5	M	...	*	-46·083	-30·453	1·00	47.2396	9·8	*	-41·462	+34·715	1·05	46·2678	9·8	
...	50·165	-30·583	1·00	47.2388	9·8	...	46·063	-6·135	0·70	...	...	...	41·404	+6·168	-5	...	...
...	50·148	-58·786	1·10	47.2386	9·8	...	45·898	+48·226	-4	...	...	...	41·304	+52·287	-5	...	...
†	50·137	+24·405	1·00	46.2657	10·2	*	45·862	+12·377	1·60	46.2666	9·6	...	41·279	-44·070	-1	...	...
†	50·092	+17·731	1·60	46.2656	9·4	...	45·839	-46·855	-4	...	...	*	41·270	-1·786	1·00	46.2677	9·6
121	-50·055	-3·081	-5	...	...	181	-45·548	-18·274	-5	M	...	...	-41·243	+9·292	-4	...	...
...	49·698	-29·491	-4	...	...	...	45·527	-21·480	-5	...	...	...	41·225	-21·275	-2	...	...
...	49·577	-7·281	0·90	47.2390	10·2	...	45·057	-29·286	-2	...	...	...	41·123	-2·046	-2	...	...
...	49·524	-43·236	-4	...	...	...	45·017	+43·584	-5	M	...	...	41·069	+20·070	-5	...	...
...	49·462	-23·545	-4	...	...	*	44·981	-23·619	-4	47.2397	10·2	...	40·903	-9·953	-4	...	...
...	-49·456	+6·620	-5	M	...	...	-44·934	-40·471	-5	M	...	...	-40·885	+19·676	0·95	...	...
...	49·400	-9·585	0·70	...	...	...	44·864	-23·592	-4	47.2397	10·2	...	40·821	-52·451	-5	...	...
...	49·185	+39·431	-4	...	...	...	44·765	+10·490	0·90	...	...	...	40·698	-36·404	-4	M	...
...	49·129	+10·346	-4	...	...	*	44·750	+15·455	1·00	46.2667	10·0	*	40·661	+25·577	1·10	46.2679	9·6
...	49·078	-26·268	-5	M	...	*	44·709	+18·859	1·30	46.2668	9·6	*	40·549	-33·774	1·10	47·2405	9·8	
131	-49·067	+1·035	1·00	46.2658	10·0	...	-44·602	-16·146	0·90	...	...	...	-40·464	-2·344	-5	M	...
...	48·995	-18·187	-5	M	...	...	44·508	-33·421	0·65	...	...	*	40·345	-18·500	1·20	47·2406	9·8
...	48·933	-47·273	-1	47.2391	10·2	...	44·453	-13·002	0·70	...	...	*	40·139	-9·538	1·00	47·2408	10·2
*	48·907	+21·935	3·00	46.2659	7·8	...	44·245	-32·177	1·05	47.2398	9·8	*	39·954	-40·268	1·40	47·2407	9·3	
*	48·886	-1·290	-2	...	...	*	44·195	-31·261	1·20	47.2399	9·5	...	39·933	-36·763	-4	...	...
*	-48·858	+50·417	1·25	46.2661	9·6	...	-44·135	+14·002	-5	...	...	...	-39·933	-37·620	-5	M	...
...	48·701	+25·465	1·00	46.2660	10·2	...	44·132	+2·694	0·80	...	...	...	39·738	-22·628	1·05	47·2409	10·2
...	48·666	-14·688	0·90	...	...	...	43·957	+26·211	-4	...	...	*	39·693	+19·015	2·00	46.2680	8·8
...	48·611	-4·863	-5	M	...	...	43·863	-30·774	-5	M	...	...	39·615	-48·741	-4	...	...
...	48·601	-2·405	1·00	...	...	...	43·745	-42·030	-1	...	...	...	39·178	+20·174	-5	...	...
141	-48·445	-32·020	1·00	...	*	...	-43·543	-56·264	1·80	47.2400	9·4	...	-39·148	+29·542	-1	...	...
...	48·422	-25·314	-5	...	...	...	43·469	+14·625	0·90	46.2669	10·2	*	39·051	+12·816	2·60	46.2681	8·4
*	48·404	+39·756	1·40	46.2662	9·2	...	43·384	+2·441	0·80	...	...	*	39·030	+23·816	1·20	46.2682	9·6
...	48·394	+19·429	-5	A	...	...	43·367	-46·136	-4	M	...	...	38·844	+11·869	1·20	46.2683	9·6
...	48·258	-35·530	-5	M	...	...	43·331	+7·984	-5	...	...	...	38·759	-26·212	-5	...	...
...	-48·188	-24·774	-2	...	...	...	-43·163	+32·474	-2	...	...	...	-38·754	+33·795	-5	...	...
*	48·051	-20·384	1·00	47.2393	10·0	*	43·064	-2·704	1·30	46.2670	9·4	*	38·435	+37·332	1·20	46.2684	9·8	
...	47·995	+27·621	0·65	...	*	...	42·982	+24·659	1·80	46.2671	9·2	...	38·423	-28·901	-5	M	...	
*	47·965	+51·386	1·35	46.2664	9·4	N*	42·969	+47·977	2·00	46.2672	9·2	...	38·406	-43·153	-4	...	...
...	47·876	+8·763	-4	...	...	†	42·925	-4·999	-5	...	...	...	38·382	+14·511	-3	...	...

110. C.P.D. suspected double.

185, 187. C.P.D., mass.

209. No sign of duplicity; 46°·52, mass of double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
271-330																		
271	-38°316	-8°933	-3	o.	...	331	-32°688	-41°094	-5	o.	...	391	-27°595	-2°367	1°20	46.2700	9.7	
...	38°198	-31°643	-4	...	...	...	32°455	+33°310	-2	...	...	...	27°567	-14°111	-5	M	...
...	38°184	-13°737	-2	...	...	*	32°253	-2°646	1°00	46.2693	9.8	...	27°520	-9°695	-5	...	...
...	38°144	+4°665	-2	...	...	...	32°053	+33°827	1°00	46.2694	9.8	...	27°317	+54°985	-3	...	...
†	38°107	+59°769	0°70	45.2667	10.0	*	32°038	-43°229	1°15	47.2414	9.8	...	26°742	+43°407	-4	...	...
...	-38°033	-49°294	-5	M	...	...	-31°904	-46°544	-2	...	...	...	-26°738	-49°473	-5	...	...
...	37°886	+14°499	-2	...	...	...	31°839	-18°480	0°75	...	...	...	26°572	+1°248	0°80	...	...
...	37°608	-12°072	-4	...	...	...	31°767	+49°940	0°70	46.2696	10.2	...	26°566	+47°666	-2	...	...
...	37°539	+26°367	0°90	46.2686	9.8	...	31°737	+14°429	-4	...	...	...	26°520	+57°007	0°75	45.2689	10.2
...	37°499	+26°420	1°00	...	...	...	31°684	-23°399	-5	M	...	...	26°517	+14°581	-2	...	...
281	-37°433	-4°422	0°70	...	...	341	-31°662	-34°000	-5	M	...	...	-26°261	+30°509	-2	...	...
*	37°418	+14°033	1°10	46.2685	9.8	†	31°610	+24°975	1°00	46.2695	9.9	...	26°244	+20°417	-2	...	...
...	37°384	-18°298	-5	...	...	*	31°557	-17°071	1°10	47.2415	9.9	...	26°055	-25°221	0°70	...	...
...	37°245	+4°073	-5	...	...	...	31°274	-13°609	-3	...	...	...	25°967	+14°347	-3	...	...
...	37°230	+43°616	-5	M	...	...	31°196	-58°145	-5	...	...	...	25°932	-58°243	-2	...	...
...	-37°077	-16°733	0°65	...	...	...	31°136	-17°639	-2	...	...	...	-25°923	+40°188	-4	...	...
...	37°063	+12°727	-4	...	...	...	31°026	+16°343	-5	...	...	...	25°900	-19°233	0°80	...	...
†	37°053	+9°975	0°70	...	...	...	31°015	+12°798	0°70	...	...	...	25°774	-32°782	-1	...	...
*	37°032	+55°013	1°15	45.2670	9.7	...	30°983	+58°463	-2	...	...	...	25°693	+6°528	-5	...	...
...	36°753	-17°231	0°70	...	...	...	30°881	-48°700	-5	M	...	...	25°328	+51°143	1°00	46.2702	10.2
291	-36°727	-32°874	-5	351	-30°749	-37°982	-5	M	411	-25°217	-2°544	0°95	46.2701	10.2
...	36°253	+48°217	-1	...	...	*	30°653	+50°943	1°30	46.2697	9.6	...	25°034	+48°370	1°05	46.2703	9.8
...	35°917	+31°017	-5	...	...	...	30°650	+9°579	-5	...	...	...	24°961	+24°133	-5	...	...
†	35°882	+44°901	-2	...	...	*	30°545	-11°386	1°20	47.2416	9.6	...	24°940	+54°937	0°65	...	...
...	35°737	+14°412	-3	...	...	...	30°519	-8°075	-2	...	...	*	24°702	+13°093	2°00	46.2704	8.6
*	-35°714	-45°090	2°00	47.2410	9.2	...	30°516	-4°727	-5	M	...	...	-24°648	+22°533	-5	...	...
†	35°682	+19°958	-5	...	...	...	30°234	+56°610	-5	...	...	...	24°645	-16°457	1°05	47.2426	10.0
*	35°482	-25°409	1°20	47.2411	9.7	†	30°199	-16°771	1°15	47.2417	9.7	*	24°624	-20°360	1°15	47.2425	9.8	
...	35°399	+4°699	-2	...	...	*	29°842	-37°097	2°50	47.2418	8.3	...	24°604	-40°285	-5	...	...
†	35°153	+38°140	-3	...	...	...	29°821	+44°128	-5	M	...	...	24°398	+12°093	-1	...	...
301	-35°152	-54°939	-4	361	-29°660	+15°805	-5	421	-24°329	+19°164	-3
†	35°118	-33°813	1°10	47.2412	9.8	...	29°546	+10°903	-5	...	...	*	24°302	+3°549	1°15	46.2705	9.8
...	35°046	-16°952	-5	...	...	...	29°538	-14°795	0°80	47.2419	10.2	...	24°257	+49°347	1°05	46.2706	9.8
...	34°999	-9°771	0°75	...	...	...	29°504	+43°002	-5	...	...	*	24°027	+36°788	-4	...	...
...	34°930	+37°406	0°90	46.2687	10.0	...	29°498	-37°269	-5	...	...	*	23°863	-30°082	2°10	47.2427	8.5
...	-34°857	-0°658	-5	...	...	*	29°275	-30°959	1°40	47.2420	9.2	...	-23°505	-53°845	-3	...	...
...	34°742	+25°906	-4	...	...	...	29°270	+13°174	-3	...	...	S *	23°501	+50°648	3°60	46.2707	7.8
...	34°574	-32°060	0°65	...	...	...	29°249	+16°768	0°80	46.2698	10.2	...	23°458	-14°354	-4	...	...
...	34°298	-36°158	0°80	...	...	...	29°239	-21°355	-5	...	...	...	23°388	+6°340	-3	...	...
...	34°282	+49°553	-3	...	...	...	29°233	+27°571	1°05	46.2699	9.9	...	23°371	+8°472	1°00	46.2708	9.9
311	-34°256	+40°802	1°00	46.2689	10.2	371	-29°189	-25°508	-5	M	431	-23°335	+29°465	1°05	46.2709	9.9
...	34°040	+28°654	-5	...	...	*	29°179	-33°954	1°10	47.2421	9.8	*	23°199	+49°307	1°30	46.2710	9.6
...	34°038	-5°917	-5	M	...	...	29°169	-27°374	-5	M	...	...	23°139	-17°398	-5	...	...
...	34°006	+6°684	0°95	46.2688	10.2	...	29°018	-15°216	1°05	47.2422	9.8	...	23°115	+17°418	-4	...	...
...	33°975	+28°450	-4	...	...	...	28°961	-9°108	-5	...	...	...	23°108	+51°244	0°70	46.2711	10.2
...	-33°883	-25°797	-2	...	...	...	28°838	-1°411	0°80	...	...	...	-23°053	-26°962	-5	M	...
...	33°882	+19°132	0°70	46.2690	10.2	...	28°747	+4°187	-5	...	...	...	22°830	-31°325	-4	...	...
...	33°808	-2°137	-4	...	...	...	28°738	+19°657	-5	...	...	...	22°829	-7°490	-5	...	...
...	33°781	-26°990	0°70	...	...	...	28°607	+26°442	-4	...	...	...	22°746	+14°510	-5	...	...
...	33°740	-13°340	0°70	...	...	...	28°587	-22°589	0°70	...	...	...	22°551	+36°473	1°00	46.2712	10.0
321	*	-33°449	+21°678	2°00	46.2691	9.1	381	-28°527	-9°440	0°70	441	-22°462	+34°090	1°30	46.2713	9.5
...	33°212	+0°462	-1	...	...	...	28°499	-0°214	-2	α	...	...	22°309	+59°080	-5	...	...
...	33°077	+9°571	-1	...	...	*	28°372	-13°666	3°00	47.2423	7.8	*	22°262	-30°313	1°20	47.2428	9.6
...	32°972	-4°621	-2	...	...	...	28°360	+20°186	0°70	...	...	...	22°257	+25°401	-5	...	...
...	32°939	-19°061	1°00	47.2413	10.2	...	28°285	+52°898	-3	...	...	...	22°028	-51°979	1°10	47.2429	9.8
...	-32°879	-12°295	-5	...	...	...	27°993	+57°655	-2	...	...	...	-21°989	+16°136	0°90	46.2714	10.2
...	32°872	+41°819	-1	...	...	...	27°793	+14°320	-4	...	...	...	21°972	-20°310	-2	...	...
...	32°861	-18°235	0°80	...	...	...	27°752	-6°322	0°90	47.2424	10.2	...	21°968	-38°037	-5	...	...
*	32°783	+5°124	1°10	46.2692	9.7	...	27°678	+30°946	0°70	...	...	*	21°581	+11°799	1°40	46.2715	9.2
...	32°730	-52°396	-5	M	...	...	27°662	+13°073	-5	...	...	...	21°532	+15°707	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
451-510																	
451	-21·470	-46·559	1·20	47.2430	9·7	511	-16·530	-41·050	-4	...	...	571	-10·922	+9·912	-5	...	...
...	21·383	-46·418	-5	...	...	...	16·501	-1·272	-4	...	...	...	10·894	-30·917	-5	M	...
...	21·359	+5·483	-5	...	...	...	16·417	-40·616	-5	M	...	...	10·853	-13·204	-4	...	...
*	21·320	+45·346	1·00	46.2716	9·8	*	16·307	+46·301	1·20	46.2727	9·4	...	10·543	+45·920	1·00	46.2737	10·2
†	21·301	-10·018	-5	M	...	...	16·226	-50·642	0·90	...	...	...	10·378	+9·032	3·00	46.2738	8·2
...	-21·185	-15·716	-4	M	...	...	16·119	+28·590	-4	...	...	...	-10·318	+17·531	0·90	...	...
*	21·028	+40·276	2·00	46.2717	8·8	...	15·892	-51·258	1·00	...	...	...	10·196	+33·817	1·00	46.2739	9·8
...	21·013	+5·946	-4	...	...	S*	15·869	-9·123	3·30	...	...	...	10·027	-53·241	-1	...	...
...	20·882	+57·495	-1	...	...	*	15·865	-8·992	2·60	47.2443	7·8	...	9·993	-1·982	-4	...	...
...	20·828	+36·376	-1	...	...	...	15·834	+1·906	-4	...	...	*	9·981	+33·190	1·30	46.2740	9·6
461	-20·646	-34·078	2·00	47.2431	9·2	521	-15·759	+31·508	1·10	46.2728	9·8	581	-9·965	+23·237	1·05	46.2742	9·8
...	20·546	+31·472	0·80	46.2719	10·2	...	15·645	+28·947	-5	...	...	...	9·951	+50·556	1·00	46.2741	10·2
...	-20·529	+21·155	-5	...	...	...	15·319	-32·132	0·80	...	...	...	9·889	-23·487	0·95	...	...
...	20·512	+12·541	0·80	46.2718	10·2	S†	15·075	-39·043	3·20	47.2444	7·6	...	9·789	-40·552	-3	...	...
†	20·120	+3·807	-4	...	...	...	15·003	+31·317	-5	M	...	...	9·663	-40·531	-5	M	...
...	-20·084	-14·022	-2	...	...	...	14·912	+15·385	-5	...	...	*	9·504	-28·363	1·60	47.2453	9·6
...	19·946	+22·541	-4	...	...	...	14·783	-49·628	-4	...	...	...	9·478	-12·561	-5	...	...
...	19·906	-5·487	1·00	47.2432	10·2	...	14·585	+37·194	-2	A	...	...	9·464	+55·220	-5	...	...
...	19·904	-44·273	0·85	...	...	...	14·566	-19·246	1·00	47.2445	10·2	...	9·409	+45·278	-4	...	...
...	19·886	-9·489	0·65	...	...	...	14·542	+53·385	-5	...	...	†	9·498	+49·820	-5	...	...
471	-19·691	-41·132	2·00	47.2433	9·4	531	-14·376	-27·899	-2	...	...	591	-9·048	-38·470	2·60	47.2454	8·6
...	19·568	+8·790	0·70	46.2720	10·2	...	14·303	-42·611	1·00	47.2447	10·0	...	9·039	+45·565	-3	...	...
...	19·417	+7·375	-5	...	...	*	14·299	-57·966	1·30	47.2446	9·3	...	8·948	-7·881	-3	...	...
...	19·412	+36·065	-4	...	...	...	14·207	+17·163	-3	...	...	...	8·925	-0·392	-4	...	...
...	19·402	+8·798	-5	...	...	...	14·143	+23·011	1·00	46.2730	10·2	...	8·885	+36·681	-5	...	...
...	-19·379	-58·485	1·00	47.2435	10·2	...	-14·137	+1·157	-4	...	...	...	-8·773	-47·792	1·00	...	...
...	19·340	+55·541	-5	...	...	...	14·119	+36·843	0·85	46.2729	10·2	...	8·597	-48·175	-5	m	...
...	19·202	-4·697	-2	...	...	*	13·998	-42·800	1·00	47.2448	10·0	...	8·537	-6·971	-4	...	...
...	19·113	+16·288	1·00	46.2721	10·0	...	13·931	+35·429	0·80	46.2731	10·2	...	8·452	-33·114	0·65	...	...
...	19·093	+7·013	0·70	...	...	...	13·866	-48·946	-4	M	...	...	8·445	-54·621	1·00	...	...
481	-19·007	-59·547	1·30	47.2436	9·8	541	-13·745	+9·345	0·70	...	...	601	-8·267	-53·378	1·30	47.2455	9·8
...	18·961	+52·081	-4	...	...	...	13·595	-26·625	-4	M	...	...	8·257	+33·930	-4	...	...
...	18·889	+36·001	-4	...	...	...	13·508	+55·154	0·70	...	...	...	8·225	+33·671	-3	...	...
*	18·787	+2·604	2·00	46.2722	9·1	...	13·379	+46·830	-5	M	...	...	8·145	-41·198	-4	m	...
...	18·639	-17·864	1·00	47.2437	10·2	...	13·322	-12·941	-5	...	...	...	8·144	-1·099	1·00	46.2743	10·2
...	-18·521	+10·607	0·90	46.2723	10·2	...	13·221	-7·073	-5	...	...	...	8·115	-15·640	-5	M m	...
...	18·493	-58·526	-2	...	...	...	13·215	+47·240	-5	...	...	...	7·951	-44·352	-5	M m	...
*	18·420	+2·836	1·20	46.2724	9·6	...	13·161	+49·477	-2	...	...	...	7·947	+46·677	-2	46.2744	10·2
*	18·412	-39·526	1·20	47.2438	9·5	*	13·099	+6·386	1·80	46.2732	9·2	...	7·922	+27·199	0·90	...	...
...	18·358	+48·738	-4	...	...	...	12·647	+46·018	0·80	...	...	...	7·834	+42·693	0·80	...	...
491	-18·300	-46·925	-3	...	...	551	-12·632	-2·560	1·00	46.2733	10·2	611	-7·799	-37·261	-5	M m	...
...	18·236	-51·836	-5	M	...	...	12·560	+8·920	-5	...	...	...	7·784	-46·799	-4	m	...
*	18·228	-15·032	2·00	47.2439	8·8	...	12·557	-30·124	-5	M	...	*	7·750	+47·403	1·00	46.2745	10·0
...	18·133	+46·580	0·70	...	...	...	12·233	-42·457	-5	M	...	...	7·648	-43·535	-4	m	...
...	18·075	-29·642	-5	M	...	...	12·139	-41·201	-2	...	...	...	7·520	+24·494	1·00	46.2746	10·2
*	-17·977	+43·882	1·10	46.2725	9·6	...	-12·102	+2·426	-4	...	...	...	-7·426	-4·703	-4	m	...
...	17·963	-28·232	-2	...	...	...	12·076	+42·574	0·90	46.2734	10·1	...	7·376	+15·847	-3	...	...
...	17·689	+36·757	-4	...	...	...	12·056	-5·682	-4	...	...	...	7·366	+4·362	0·90	...	...
...	17·205	+13·588	-5	...	...	...	11·960	-57·869	1·00	47.2450	10·1	...	7·339	-24·532	-4	m	...
...	17·199	+26·209	0·70	...	...	...	11·832	-20·318	-4	...	...	...	7·265	-25·765	-5	M m	...
501	-17·105	-27·184	-5	M	...	561	-11·728	-49·100	1·20	47.2451	9·8	621	-7·235	+0·586	-5	m	...
...	17·055	-48·890	-5	M	...	...	11·688	-32·178	-5	M	...	...	7·217	-43·747	1·00	47.2456	10·0
†	16·980	-25·015	-2	...	...	...	11·652	-12·509	-5	M	...	...	7·046	+23·615	-4	...	...
...	16·911	+15·727	-4	...	...	...	11·562	+14·566	1·00	...	...	...	7·044	+29·176	-5	...	...
...	16·911	+12·770	1·00	46.2726	10·1	...	11·383	+24·273	0·70	...	...	...	7·016	-15·763	-3	...	...
...	-16·878	+41·117	-5	...	...	*	-11·351	+22·836	1·40	46.2735	9·8	...	-6·975	+42·889	-5	...	...
*	16·834	-6·255	1·35	47.2440	9·6	*	11·274	+38·334	1·60	46.2736	9·4	...	6·964	+19·619	-3	...	...
...	16·798	-45·503	-4	...	...	+	11·140	-44·954	1·20	47.2452	9·6	...	6·904	+25·717	1·00	46.2747	10·1
*	16·754	-25·335	1·05	47.2441	9·8	+	11·017	+46·241	-4	...	...	...	6·861	-55·207	1·00	...	...
...	16·546	-9·670	0·85	47.2442	10·2	...	10·968	-12·027	-5	...	...	...	6·659	+6·217	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
631-690																			
631	- 6.587	- 22.444	- 5	M m	...	691	* - 1.986	- 39.774	1.10	47.2468	9.6	751	+ 3.719	+ 19.979	- 5	m	...		
...	6.509	+ 50.345	1.00	46.2748	10.2	...	1.974	- 25.923	- 5	M	...	...	3.961	- 28.911	- 5	M m	...
...	6.415	- 8.710	1.00	47.2457	10.2	...	1.964	+ 42.316	- 4	...	...	...	3.962	- 30.749	1.10	47.2482	10.0
...	6.373	+ 28.924	- 4	...	...	...	1.881	- 36.383	- 5	...	...	...	3.972	+ 11.462	- 3	...	...
...	6.369	- 33.925	0.90	...	...	*	1.880	- 20.110	1.10	47.2469	9.8	...	4.013	- 13.454	1.20	47.2481	9.8
...	- 6.314	- 49.217	- 4	m	...	...	1.794	+ 9.429	- 5	M m	...	...	+ 4.420	- 55.848	- 4	...	...
...	6.282	- 12.450	1.00	47.2458	9.8	...	1.754	- 3.520	- 4	...	...	...	4.546	+ 51.073	0.70	46.2767	10.2
...	6.264	- 55.191	- 4	...	...	...	1.751	+ 24.801	- 5	...	...	...	4.564	+ 18.797	1.10	46.2768	10.2
...	6.144	+ 44.609	- 5	...	...	...	1.743	- 28.520	- 5	M m	...	†	4.765	+ 2.025	- 5	...	...
...	6.115	- 2.008	1.00	46.2750	10.2	...	1.307	- 19.745	1.00	47.2470	9.8	...	4.860	+ 42.478	0.70	46.2769	10.2		
641	- 6.090	+ 25.520	1.00	46.2751	10.2	701	761	4.886	+ 19.259	- 1
...	5.990	- 46.203	- 4	M m	...	...	1.105	+ 50.687	- 4	...	...	...	4.915	+ 1.220	1.00	46.2771	10.0
...	5.966	+ 53.828	1.00	46.2749	9.8	...	1.090	+ 41.080	- 4	...	...	...	4.943	- 26.034	- 5	m	...
N *	5.963	- 50.144	1.00	47.2459	9.8	S*	0.892	- 27.140	2.00	47.2471	9.1	[	4.963	- 26.144	2.00	47.2483	8.9	
N *	5.857	- 0.700	3.00	46.2752	8.0	...	0.875	+ 47.321	- 3	...	...	...	4.979	+ 25.502	1.00	46.2770	10.0
...	- 5.836	- 33.224	1.80	47.2460	9.5	...	0.767	- 45.935	0.65	...	...	...	+ 5.108	+ 46.557	- 1	...	...
...	5.826	- 13.594	- 5	M m	...	...	0.748	+ 29.271	- 5	...	...	...	5.487	- 50.572	1.15	47.2484	10.0
...	5.786	- 22.017	0.90	47.2461	10.2	...	0.601	- 33.518	- 2	...	...	*	5.680	+ 34.475	1.30	46.2772	9.8
...	5.766	+ 52.874	1.90	46.2753	9.2	*	0.482	+ 57.596	1.20	45.2753	9.8	...	5.819	- 48.553	- 4	...	...
...	5.734	- 42.590	- 4	...	...	...	0.448	+ 44.797	- 4	...	...	...	5.904	- 59.612	- 4	M	...
651	- 5.726	- 22.715	1.30	47.2462	9.2	711	771	5.996	+ 50.377	- 5	M m	...
...	5.667	+ 31.435	0.95	46.2754	10.2	†	- 0.227	+ 6.414	1.00	46.2760	9.8	...	6.004	- 32.968	- 5	...	...
...	5.305	- 7.842	- 3	...	...	...	0.217	- 17.567	0.90	47.2472	10.2	...	6.009	+ 59.271	1.10	45.2771	10.1
...	5.302	+ 46.660	- 2	...	...	...	0.391	- 32.307	- 2	...	...	...	6.075	- 11.526	- 5	M m	...
...	5.168	- 42.639	- 5	m	...	...	0.836	- 56.532	- 5	...	...	*	6.182	- 1.249	1.30	46.2773	9.8
†	- 5.163	- 10.725	- 5	...	...	...	0.846	- 33.553	- 4	...	...	...	+ 6.394	- 33.892	0.65	...	...
...	5.062	- 4.932	1.00	46.2755	10.0	*	0.996	- 40.990	1.30	47.2473	9.6	...	6.564	+ 2.049	- 5	...	...
*	5.062	- 52.026	1.30	47.2463	9.3	...	1.039	+ 54.524	0.65	...	...	...	6.573	- 57.695	1.15	47.2486	10.0
*	4.829	+ 16.329	1.10	46.2756	9.8	...	1.165	+ 23.053	- 4	...	...	...	6.773	+ 14.076	0.95	46.2774	10.2
...	4.801	+ 13.228	- 5	m	...	...	1.203	+ 35.805	- 4	...	...	...	6.803	+ 17.729	- 5	...	...
661	- 4.775	- 42.494	- 4	n*	781	7.002	+ 13.023	- 3
...	4.673	+ 38.887	- 4	...	...	...	1.343	- 29.194	- 5	M m	...	...	7.073	+ 18.132	- 1	...	...
...	4.630	+ 11.495	- 3	...	...	...	1.474	- 33.358	0.70	47.2474	10.2	...	7.103	+ 59.322	0.70	...	...
...	4.373	- 52.425	- 5	M m	...	n*	1.519	+ 34.522	3.00	46.2761	7.8	...	7.161	- 32.005	0.75	47.2487	10.2		
...	4.279	- 47.436	1.00	47.2464	10.2	...	1.708	+ 34.776	- 2	...	...	...	7.506	+ 41.186	- 4	...	...
...	- 4.248	+ 11.634	- 3	...	...	+	1.883	- 24.250	- 3	...	...	...	+ 7.625	- 42.645	- 5	M m	...
...	4.110	- 16.661	- 5	M m	...	*	1.889	+ 18.652	1.20	46.2762	9.6	...	7.642	+ 3.687	0.80	...	...
...	3.918	+ 26.220	- 5	...	...	...	1.909	- 19.467	- 1	...	...	...	7.777	- 44.148	- 4	...	...
...	3.870	- 25.717	- 5	m	...	*	2.017	+ 11.113	1.80	46.2763	8.8	...	7.849	+ 33.932	0.70	...	...
...	3.854	- 21.566	- 5	M m	...	...	2.115	+ 39.484	- 2	...	...	...	7.857	- 52.734	1.20	47.2489	10.0
671	- 3.840	+ 44.442	- 5	...	...	+	2.179	- 3.492	0.70	...	...	...	+ 7.865	+ 27.586	- 5	...	...
...	3.833	- 15.712	1.00	47.2465	9.8	...	2.265	+ 46.859	- 1	...	...	...	7.973	+ 27.872	0.90	...	...
...	3.787	+ 16.323	0.70	...	...	...	2.291	- 56.441	- 3	...	...	...	7.982	- 15.046	0.80	47.2488	10.2
...	3.771	+ 53.935	- 5	...	...	*	2.343	- 3.957	1.10	46.2764	10.0	...	8.195	+ 33.572	- 2	...	...
...	3.620	- 1.385	- 5	M m	...	...	2.427	+ 9.366	0.70	...	...	...	8.391	+ 22.661	- 5	...	...
...	- 3.521	- 17.922	- 5	M m	...	...	2.550	- 41.436	- 5	...	...	...	+ 8.529	- 52.980	0.70	...	...
...	3.395	- 59.615	- 3	m	...	...	2.588	- 42.026	- 2	...	...	...	8.553	+ 55.828	- 2	...	...
†	3.364	- 29.969	- 4	...	...	...	2.644	- 11.695	- 5	...	...	...	8.577	- 4.316	- 4	...	...
...	3.297	- 47.484	- 5	M m	...	...	2.792	- 47.998	1.05	47.2475	10.0	...	8.701	- 6.585	0.70	...	...
...	3.290	- 35.583	1.00	47.2466	10.2	...	2.892	- 5.971	1.00	47.2476	10.2	...	8.761	+ 41.210	0.70	...	...
681	- 3.199	+ 21.594	0.90	46.2757	10.2	741	+ 3.052	+ 35.500	- 4	801	+ 8.983	- 54.506	- 5	M m	...
...	3.181	- 26.139	0.90	47.2467	10.2	...	3.149	+ 36.137	- 4	...	*	...	9.145	- 38.395	1.10	47.2490	10.0		
...	3.067	- 59.475	- 4	...	...	*	3.262	- 36.910	1.20	47.2478	9.8	...	9.612	- 23.365	- 5	M	...
...	3.063	+ 49.300	1.00	46.2758	10.2	...	3.297	- 13.116	0.85	47.2477	10.2	...	9.640	- 56.544	- 1	...	...
...	2.853	- 5.774	- 5	M m	...	*	3.426	+ 1.841	1.20	46.2766	9.8	...	9.680	+ 7.000	- 2	...	...
*	- 2.810	+ 26.797	2.00	46.2759	8.6	...	+ 3.492	- 4.081	0.90	...	...	...	+ 9.948	+ 50.840	- 5	...	...
...	2.805	+ 53.119	- 5	...	...	S*	3.529	+ 47.572	0.70	...	...	...	10.080	- 42.040	0.70	...	...
...	2.477	+ 11.778	- 5	...	...	*	3.533	+ 34.214	3.00	46.2765	7.9	...	10.108	+ 18.624	- 1	...	...
...	2.411	- 57.156	- 5	...	...	*	3.590	- 32.038	2.00	47.2479	9.0	...	10.144	- 10.963	- 4	...	...
...	2.068	- 19.051	- 5	...	...	...	3.609	- 18.213	1.00	47.2480	10.1	*	10.159	+ 26.953	1.20	46.2776	9.6

645. Var. L = 7.6 - 8.5.

721, 724. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
811-870																		
811	+10·178	+55·577	1·40	45·2785	9·5	871	* +15·111	-28·115	1·20	47·2500	9·8	931	+20·213	+53·165	-3	...	...
...	10·309	+2·581	-1	...	...	...	15·207	+42·272	1·00	46·2786	10·1	...	20·362	-5·929	1·30	47·2511	9·6
*	10·335	+50·283	2·00	46·2775	9·0	...	15·387	+45·448	1·00	46·2787	10·1	†	20·383	-54·793	-4	...	...
...	10·370	+25·214	-1	...	...	...	15·469	+13·252	-5	...	...	...	20·503	-43·186	0·90	...	...
...	10·440	-22·956	-4	...	...	...	15·543	+56·538	-4	...	...	...	20·506	+53·358	-5	...	...
...	+10·562	-23·250	-5	...	...	...	+15·547	-50·909	-5	m	...	...	+20·571	-52·153	-3	...	...
...	10·661	-49·529	-5	m	...	...	15·775	-29·564	-4	...	...	...	20·581	+46·975	-4	...	...
...	10·853	-23·066	-5	m	...	...	15·819	+26·938	1·05	46·2788	10·1	...	20·582	-37·187	-5	m	...
...	10·975	-6·432	-5	m	...	...	15·836	+5·816	0·70	46·2789	10·2	...	20·641	-37·038	-4	...	...
...	11·152	-17·350	1·00	47·2491	10·2	...	15·847	-21·546	-5	m	...	*	20·799	-41·160	1·80	47·2513	9·6	
821	+11·226	-53·213	-5	...	...	881	+15·852	-12·754	-3	...	...	...	+20·840	-53·045	-3	...	...
...	11·246	-28·385	-5	m	...	...	15·892	+34·024	-1	...	...	...	21·200	-57·634	-3	...	...
n	11·368	-39·805	0·90	47·2495	9·8	...	15·895	-27·815	-5	...	...	...	21·367	+54·529	-2	...	...
...	11·479	-23·513	1·00	47·2492	10·1	...	15·959	+23·453	-5	...	...	...	21·473	+19·685	-4	...	...
*	11·481	-41·861	1·20	47·2496	9·8	...	16·165	-17·748	0·95	47·2502	10·2	...	21·522	-21·570	-4	...	...
n+	+11·562	-20·569	1·40	47·2493	9·4	...	+16·284	+1·352	0·70	46·2791	10·2	...	+21·556	+31·956	-5	...	...
...	11·571	-39·895	1·00	47·2495	9·8	...	16·381	+32·234	0·70	...	...	...	21·595	+6·416	0·80	46·2798	10·2
...	11·763	-41·914	1·00	47·2497	10·0	...	16·408	+53·936	-3	...	...	*	21·637	+43·583	1·05	46·2797	9·8
...	11·770	-49·601	0·75	...	...	...	16·411	-12·290	-4	m	...	...	21·661	-26·024	-5	m	...
...	11·824	-0·444	0·70	46·2777	10·2	...	16·423	+0·753	1·00	46·2792	10·1	...	21·936	+55·811	1·00	45·2820	10·1	
831	+11·859	-9·850	1·30	47·2494	9·6	891	+16·582	-59·665	-5	951	+21·944	-17·583	1·00	47·2514	10·0
*	11·928	+13·988	1·40	46·2778	9·6	*	16·597	+53·143	1·20	46·2790	9·8	...	22·000	+17·358	1·00	46·2799	10·0	
*	11·985	-34·487	2·00	47·2498	9·4	...	16·821	+12·296	-3	...	...	*	22·012	+53·323	-2	...	...
...	12·033	-53·970	-5	...	...	...	16·917	-24·652	-2	...	...	*	22·199	-22·852	1·30	47·2515	9·5
...	12·431	-24·783	-3	...	...	...	16·934	+26·567	-4	...	...	...	22·462	+44·370	-5	...	...
...	+12·483	+39·309	-2	...	...	...	+17·002	+55·699	-3	...	...	...	+22·510	-7·410	1·00	47·2516	10·0
...	12·601	+12·569	0·70	...	...	...	17·003	-31·610	-5	m	...	...	22·526	+48·385	-5	...	...
...	12·779	-12·616	1·10	47·2499	10·0	...	17·053	+51·066	-4	...	...	...	22·614	+38·541	-4	...	...
...	12·823	-0·848	-2	...	...	...	17·076	+43·942	1·00	46·2793	10·0	*	22·841	+8·674	2·00	46·2800	9·2
...	13·094	+34·533	1·05	46·2779	10·0	...	17·093	-4·268	-5	m	...	...	22·905	-27·676	-3	...	...
841	N +13·123	+15·730	-5	901	+17·239	-24·169	-1	961	+22·975	+14·910	0·95	46·2801	10·2
...	13·257	-56·932	-1	...	...	...	17·450	-41·130	-2	...	...	*	22·991	-23·134	1·00	47·2517	10·0
...	13·263	-27·563	0·70	...	...	...	17·516	+52·085	-5	...	...	...	23·074	+10·863	-5	...	...
†	13·285	-15·027	-5	m	...	...	17·596	-27·891	-3	...	...	...	23·136	+55·165	0·90	45·2821	10·2
...	13·421	-37·361	-4	...	...	...	17·824	-9·166	-4	...	...	...	23·207	+24·844	0·65	...	...
...	+13·468	+39·548	-1	...	...	...	+17·859	-30·131	1·05	47·2503	10·0	...	+23·221	+33·297	1·00	46·2802	9·8
...	13·537	+0·394	0·70	46·2780	10·2	...	18·030	+50·757	0·80	46·2794	10·2	...	23·274	-52·460	-3	...	...
...	13·770	+13·219	1·00	46·2781	10·2	*	18·074	-33·860	1·30	47·2504	9·8	...	23·292	-25·501	1·00	47·2519	10·1	
...	13·789	+39·162	-5	...	...	*	18·090	-40·412	1·40	47·2505	9·6	*	23·299	+32·051	1·00	46·2803	9·8
...	14·046	+40·982	-5	...	...	...	18·500	-9·331	-1	...	...	...	23·325	-12·601	0·90	47·2518	10·2
851	+14·051	+26·890	0·80	911	+18·720	-7·012	-3	971	+23·390	-58·810	1·10	47·2520	9·8
...	14·101	+24·063	1·05	46·2783	10·1	...	18·826	-30·733	0·70	47·2506	10·2	*	23·488	+53·754	1·15	46·2804	9·8	
...	14·161	+40·543	-2	...	*	...	18·838	+25·476	1·20	46·2795	9·8	...	23·533	-33·377	-3	b	...	
...	14·260	-23·596	0·65	...	...	...	18·881	+8·199	-3	...	...	...	23·588	+41·968	-5	...	...
...	14·290	+48·208	0·65	46·2782	10·2	n*	18·969	-23·680	2·00	47·2507	8·6	*	23·664	+7·113	1·60	46·2807	8·8	
*	+14·391	+58·192	2·00	45·2799	8·6	...	+18·999	-10·224	-4	m	...	*	+23·726	+7·064	1·40	46·2807	8·8	
...	14·440	-48·310	0·65	...	...	...	19·004	-23·507	-2	...	...	...	23·686	+41·537	0·65	...	...
...	14·456	-51·343	-4	...	...	*	19·106	-23·700	1·00	47·2507	8·6	†	23·744	+4·936	-4	...	...
...	14·458	-30·712	-5	m	...	*	19·140	-35·293	1·30	47·2508	9·6	...	23·907	+52·332	-1	46·2806	10·2	
...	14·514	+30·601	-5	...	...	...	19·364	+57·198	0·90	45·2811	10·2	n*	23·921	+42·337	6·00	46·2805	5·5
861	+14·520	+38·212	-5	...	...	921	+19·488	+38·997	0·70	46·2796	10·2	...	23·961	+38·769	-4	...	...
†	14·736	+9·577	0·70	...	...	...	19·554	-8·098	0·70	...	...	...	23·991	-27·498	-4	...	...
†	14·757	+27·154	-1	...	...	...	19·568	-35·749	-5	m	...	...	24·020	+37·008	-4	...	...
†	14·806	+6·161	0·70	46·2785	10·2	*	19·582	-43·585	2·00	47·2509	9·2	...	24·077	+36·594	-4	...	...
...	14·840	+43·685	-3	...	...	*	19·608	-46·729	1·20	47·2510	9·8	...	24·086	+10·966	-5	...	...
...	+14·860	+48·085	1·05	46·2784	10·2	...	+19·866	+40·348	-5	...	...	...	+24·094	+40·772	-3	...	...
...	15·008	+29·180	-5	...	...	...	19·908	-27·592	-3	...	...	...	24·142	-9·982	-5	m	...
...	15·015	-53·328	-5	m	...	...	20·143	-16·166	-4	...	...	...	24·211	+54·257	-1	...	...
...	15·047	+56·453	-3	...	...	...	20·151	-27·323	1·00	47·2512	10·0	...	24·300	-13·920	0·65	...	...
*	15·087	-39·228	1·20	47·2501	9·8	...	20·210	+17·202	-4	...	...	...	24·315	-53·490	-4	...	...

823, 827. C.P.D., suspected double.

841. No sign of duplicity. 46°·53, mass of double.

915, 918. C.P.D., mass.

980, 993. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
991-1050																		
991	+24.360	+32.062	0.65	o	...	...	1051	+30.077	+2.241	6.00	46.2819	6.0	1111	+35.106	-0.553	-4	o	...
...	24.424	-45.049	-5	m	...	...	...	30.108	-11.043	0.90	...	...	...	35.157	+12.941	-5	...	...
n*	24.451	+42.682	1.25	46.2805	5.5	...	...	30.253	-43.345	-4	...	...	...	35.244	+43.562	-4	...	...
...	24.505	+48.999	-3	...	...	*	...	30.345	+55.706	1.20	45.2838	9.8	...	35.377	+46.868	-4	...	...
...	24.550	+48.473	1.00	46.2808	9.8	...	...	30.419	+36.587	-4	...	...	...	35.477	-48.331	-1	47.2555	10.2
...	+24.602	+47.330	-3	...	...	...	...	+30.426	-37.133	-5	...	...	*	+35.527	-45.637	1.60	47.2554	9.4
†	24.632	+0.485	1.25	46.2810	9.8	...	...	30.513	+20.115	-5	...	...	...	35.563	+32.251	0.70	...	...
...	24.661	+13.225	1.00	46.2809	10.1	*	...	30.576	-13.224	2.70	47.2537	8.6	*	35.611	+22.748	1.00	46.2829	9.6
...	24.888	-1.922	1.00	46.2811	10.1	...	...	30.658	-4.785	0.90	46.2820	10.2	+	35.771	-5.051	1.10	46.2832	9.8
...	24.899	-37.281	1.00	47.2521	9.8	...	...	30.819	-48.879	1.00	47.2538	10.1	*	35.928	+43.641	2.00	46.2830	9.3
1001	+24.961	+22.607	-4	...	...	...	1061	+31.057	-2.288	0.90	46.2821	10.2	...	+36.147	+12.748	-5	m	...
...	25.005	-13.574	-5	m	...	...	...	31.060	+57.638	1.00	45.2839	9.8	...	36.193	+12.621	0.80	46.2834	10.2
...	25.280	-19.490	-5	m	...	...	...	31.096	+13.456	-4	...	...	...	36.206	-7.760	-4	m	...
...	25.374	-22.701	0.90	47.2522	10.1	*	...	31.234	-41.320	2.00	47.2540	8.7	...	36.302	+13.818	-5	m	...
...	25.421	+37.981	0.70	...	...	...	...	31.291	-24.328	-5	m	...	*	36.374	+35.430	1.10	46.2831	9.6
...	+25.803	+1.041	-3	...	...	...	...	+31.374	-11.500	1.00	47.2539	10.2	...	+36.411	-48.020	-5	m	...
*	25.807	-51.458	3.00	47.2524	8.8	...	...	31.395	-46.595	-5	m	...	+	36.437	+54.911	1.10	45.2854	9.8
...	25.811	-36.324	0.90	47.2523	10.2	...	...	31.461	+11.293	-3	...	...	...	36.454	-12.233	1.00	47.2556	10.1
†	25.832	+49.861	-5	...	...	*	...	31.612	-17.643	1.10	47.2541	9.6	...	36.506	+36.501	0.90	46.2833	10.2
...	25.851	-47.569	-5	m	...	*	...	31.625	-48.575	1.20	47.2542	9.6	...	36.545	+25.379	1.00	46.2835	10.0
1011	+25.852	-40.398	1.00	47.2525	10.2	...	1071	+31.675	-49.234	-5	m	...	...	+36.553	-26.145	-2	...	...
...	26.029	-53.006	1.00	47.2526	9.8	...	...	31.731	-36.821	0.85	...	...	...	36.563	+53.279	-4	...	...
...	26.235	-32.516	0.65	...	...	...	...	31.814	+14.724	-4	...	...	*	36.588	-12.923	1.30	47.2557	9.6
*	26.384	+37.362	1.00	46.2812	9.8	*	...	31.918	+46.895	1.00	46.2822	9.8	...	36.924	-12.991	-4	m	...
*	26.883	-52.263	4.10	47.2527	7.4	...	...	31.987	+32.872	-5	m	...	*	36.937	-56.129	1.05	47.2561	9.8
...	+26.885	+22.893	0.90	46.2813	10.2	...	1081	+32.260	-21.636	0.65	...	...	...	+36.951	-8.370	-5	m	...
...	26.927	-27.565	0.65	...	...	...	...	32.410	-55.687	-4	...	...	...	36.968	+25.747	-4	...	...
...	27.009	+42.918	-5	...	...	...	...	32.413	-25.628	-5	m	...	...	36.977	+4.016	0.90	46.2837	10.2
...	27.333	-38.554	-4	...	...	...	...	32.434	-18.348	-3	...	...	...	37.038	-42.783	-5	m	...
...	27.338	-30.559	-5	m	...	...	...	32.445	+40.058	0.80	46.2823	10.2	*	37.158	-23.995	2.00	47.2558	8.6
1021	+27.414	-3.443	-5	m	...	...	1091	+32.660	+42.393	0.80	46.2824	10.2	*	+37.207	-47.940	1.00	47.2563	9.8
...	27.448	-40.046	-4	m	...	†	...	32.714	-39.823	-5	m	...	*	37.305	-30.928	2.00	47.2560	8.8
...	27.622	-1.012	0.75	...	...	...	...	33.002	+18.010	0.90	46.2825	10.2	...	37.319	-25.350	-5	m	...
...	27.640	-26.758	0.70	...	...	...	...	33.026	-29.309	-4	...	...	*	37.378	-28.192	1.10	47.2562	9.8
...	27.692	-7.038	0.90	47.2528	10.2	*	...	33.044	-37.424	2.00	47.2543	9.1	...	37.392	-21.391	0.90	47.2559	10.1
...	+27.889	-25.773	1.00	47.2529	9.8	...	...	+33.185	+19.300	-5	...	...	*	+37.485	+37.179	1.40	46.2836	9.5
...	28.054	-51.310	1.00	47.2532	10.1	...	...	33.189	-11.011	-5	m	...	...	37.616	+24.702	0.90	46.2838	10.2
...	28.087	+50.902	-5	...	...	...	...	33.237	+39.817	-4	...	...	*	37.735	-40.022	1.00	47.2564	9.8
...	28.181	-34.526	-5	m	...	...	...	33.264	+30.786	-5	...	...	...	37.929	-18.953	-4	...	...
...	28.182	-1.918	-2	...	...	...	...	33.304	-20.604	0.65	...	...	*	37.936	-27.016	2.00	47.2566	9.2
1031	+28.187	-31.862	-4	...	...	...	1101	+33.459	+19.654	-5	...	...	...	+37.998	-6.416	-5	m	...
*	28.237	-42.785	3.00	47.2531	7.8	*	...	33.476	-40.233	2.00	47.2545	8.7	...	38.018	-8.852	-5	m	...
...	28.376	-42.669	-5	...	...	*	...	33.488	+28.112	1.00	46.2826	10.0	...	38.082	+58.070	-5	...	...
S*	28.378	-6.374	2.80	47.2530	8.6	...	...	33.492	+33.600	0.70	...	...	*	38.092	-18.621	2.00	47.2565	8.7
...	28.405	+1.608	-4	...	...	+	...	33.544	-10.023	1.10	47.2544	9.4	*	38.142	-29.662	1.00	47.2567	9.8
...	+28.558	+46.164	0.70	46.2815	10.2	*	...	+33.857	+1.665	1.00	46.2827	9.8	...	+38.152	-2.942	0.95	46.2841	10.2
...	28.600	+50.153	1.00	46.2814	10.0	*	...	33.865	-36.582	1.05	47.2546	9.8	*	38.210	-3.991	1.90	46.2842	9.4
...	28.697	-25.948	1.00	47.2534	10.0	*	...	33.964	-43.131	1.00	47.2547	9.8	...	38.380	+33.269	-3	...	...
...	28.799	+38.440	-4	...	...	...	...	34.046	+21.900	-4	...	...	...	38.572	+38.001	0.95	46.2839	10.2
...	28.863	+15.255	-5	...	...	...	...	34.051	+40.507	-5	...	...	n	38.688	+24.472	0.90	46.2844	10.1
1041	*+29.140	+43.771	2.00	46.2816	9.1	...	1111	+34.154	-34.496	1.00	47.2549	9.8	...	+38.721	-6.778	-4	...	...
*	29.249	+31.795	1.10	46.2817	9.6	*	...	34.491	-5.629	1.80	47.2548	9.3	*	38.733	-0.697	1.60	46.2845	9.4
...	29.311	-37.810	-4	...	...	+	...	34.596	+58.216	-5	...	...	...	38.789	+24.485	0.90	46.2844	10.1
...	29.353	-7.769	0.90	...	...	+	...	34.686	+54.018	1.40	46.2828	9.6	...	38.816	-50.457	1.00	47.2569	10.1
...	29.371	+22.806	-4	...	...	...	...	34.702	-14.123	0.90	47.2550	9.8	*	38.977	+52.353	1.30	46.2840	9.6
...	+29.384	+2.447	-1	...	...	+	...	+34.759	-19.188	-5	m	...	...	+39.101	+8.580	-4	...	...
†	29.737	-10.663	-4	...	...	+	...	34.760	+56.196	-1	45.2848	10.2	...	39.120	-21.447	0.70	...	...
†	29.741	-53.576	1.00	47.2535	10.1	†	...	34.775	-48.675	1.00	47.2552	9.8	*	39.126	-22.903	1.40	47.2568	9.6
†	29.781	+11.344	1.00	46.2818	10.0	...	...	34.776	-42.984	-5	...	...	...	39.141	+47.962	1.00	46.2843	10.0
†	29.788	-49.467	1.00	47.2536	10.0	...	...	34.860	-45.476	1.00	47.2553	9.8	...	39.157	+33.114	-1	...	...

980, 993. C.P.D., possibly mass.

1051. Remeasure 1914, x = 30.093.

1160, 1163. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1171-1230																	
1171	+39°217	+54°274	-5	o	...	1231	+42°435	-37°110	0°90	o	...	1291	+46°718	+21°959	-1	o	...
...	39°248	-53°408	3°00	47.2572	7°9	...	42°461	-8°988	0°75	47.2583	10°2	...	46°759	-4°111	-2	...	...
*	39°341	-34°199	2°00	47.2571	9°2	...	42°601	-31°854	1°00	47.2587	10°2	...	46°764	+51°379	-3	...	...
...	39°482	-39°807	-3	...	...	...	42°690	+12°044	-4	...	...	...	46°853	-46°435	3°00	47.2605	8°2
...	39°584	-17°392	-5	m	...	...	42°811	-9°922	4°00	47.2586	7°5	...	46°935	-7°718	-5	e	...
+	+39°682	-47°186	-3	...	...	...	+42°860	+18°866	-5	...	...	...	+47°139	-11°491	-5	e	...
+	39°689	-6°967	1°00	47.2570	9°8	...	43°015	+14°827	0°70	...	...	...	47°232	-21°690	1°10	47.2603	9°8
...	39°839	+27°296	1°00	46.2846	10°0	...	43°044	-38°047	-5	m	...	...	47°333	-28°649	1°00	47.2604	10°1
...	39°863	+51°035	-5	...	...	...	43°062	-22°061	1°00	47.2588	10°2	...	47°351	+41°765	1°30	46.2867	9°6
*	39°879	+57°529	2°00	45.2859	9°2	...	43°217	-44°553	-2	...	...	...	47°391	+10°914	-4	...	...
1181	+39°879	-56°702	1°20	47.2574	9°6	...	+43°353	-8°712	-5	m	...	...	+47°437	+44°032	-5	...	...
...	39°917	+14°744	-5	...	...	...	43°472	+43°606	-1	46.2858	10°2	*	47°560	+48°009	1°40	46.2868	9°6
*	39°967	-45°280	1°40	47.2573	9°5	...	43°551	+49°432	-1	46.2857	10°2	...	47°606	-31°549	1°00	47.2606	10°0
...	40°037	+49°090	-2	...	...	...	43°591	-49°219	1°00	47.2590	neb.	*	47°624	-46°043	2°40	47.2607	8°6
...	40°040	+18°270	-2	...	...	...	43°706	-48°772	-1	...	...	...	47°735	+21°475	-5	...	...
...	+40°066	+54°149	-2	...	...	...	+43°713	+55°122	1°00	45.2871	10°0	...	+47°769	-11°221	-2	...	...
...	40°082	+48°845	-2	...	...	*	43°811	-48°560	3°60	47.2592	7°6	...	47°773	+56°075	0°65	45.2883	10°2
...	40°361	+32°484	-4	...	...	...	43°828	+6°189	0°90	...	...	...	47°861	+54°389	-2	...	...
...	40°379	-45°664	1°20	47.2576	9°8	...	43°867	+36°844	-4	...	...	...	47°900	-10°300	-1	...	...
...	40°416	-46°092	-5	m	...	*	43°913	-34°530	1°20	47.2591	9°6	...	47°964	-40°923	-5	...	...
1191	+40°423	+35°616	1°00	46.2847	10°1	*	+43°965	-20°908	1°20	47.2589	9°3	*	+48°037	-51°874	1°80	47.2608	9°2
...	40°457	+24°381	-5	...	...	...	43°992	+4°467	-5	...	...	...	48°063	+45°074	-4	...	...
...	40°489	+40°435	-4	...	...	...	43°995	-16°920	-5	m	...	...	48°268	-2°414	0°90	...	...
...	40°518	+22°865	0°70	...	...	...	44°053	+13°259	-5	...	...	...	48°280	+15°609	0°70	46.2871	10°2
...	40°633	-43°060	1°00	47.2577	9°8	*	44°101	-43°246	3°00	47.2593	8°0	...	48°306	+16°172	0°95	46.2869	10°0
...	+40°648	-46°912	-5	m	...	N *	+44°132	-43°804	1°40	47.2594	9°5	...	+48°312	+42°996	-3	...	...
...	40°669	+49°585	1°00	46.2848	10°0	...	44°171	-46°958	1°00	47.2595	9°8	N nt	48°503	+59°799	-2	45.2886	9°8
S*	40°683	-44°668	5°00	47.2578	6°2	...	44°253	+20°028	0°80	46.2859	10°2	...	48°648	+2°487	-5	...	...
...	40°712	+13°555	0°90	46.2849	10°2	...	44°317	+28°313	-5	...	...	...	48°732	-49°817	2°40	47.2611	8°4
...	40°761	+47°133	-2	...	...	...	44°408	-36°922	-5	m	...	...	48°749	+39°636	1°00	46.2870	10°0
1201	+40°835	-19°852	-4	m	...	*	+44°469	+27°673	1°60	46.2860	9°6	...	+48°772	-50°715	0°70	47.2613	10°2
*	40°978	-42°618	1°40	47.2580	9°4	...	44°514	+58°955	-1	45.2873	10°2	...	48°909	+51°833	-5	...	...
...	41°013	+18°566	-4	...	...	†	44°743	-47°195	1°20	47.2596	9°8	*	48°947	-17°287	2°60	47.2609	8°6
...	41°050	+52°110	-5	...	...	...	44°831	+6°866	1°00	46.2862	10°0	*	48°961	+20°308	2°40	46.2872	8°6
...	41°062	-17°420	-5	m	...	...	44°935	+0°344	-5	...	...	...	49°316	-19°975	2°40	47.2612	8°4
...	+41°111	+57°071	1°00	45.2863	10°0	*	+45°031	-44°025	1°20	47.2597	9°6	...	+49°380	-5°852	1°05	47.2610	10°0
...	41°116	+53°911	-4	...	...	*	45°091	-45°206	1°20	47.2598	9°8	...	49°425	+16°955	1°00	46.2873	9°8
...	41°132	+9°307	-2	...	...	...	45°178	-46°677	1°20	47.2599	9°8	*	49°472	+15°828	1°80	46.2874	8°8
...	41°203	+21°831	-4	...	...	...	45°247	-17°640	-1	...	...	...	49°485	-4°355	-2	...	...
*	41°221	-17°162	1°20	47.2579	9°6	...	45°396	+41°675	-4	...	...	...	49°571	-31°598	1°05	47.2615	9°8
1211	+41°332	+41°837	-5	...	...	*	+45°431	+6°888	2°20	46.2863	8°7	+	+49°579	-23°431	1°10	47.2614	9°6
...	41°412	+16°335	-5	...	...	...	45°459	+5°887	-4	a	...	...	50°042	+1°590	-5	...	...
...	41°465	+13°411	-4	...	...	...	45°467	-18°493	-2	...	...	...	50°090	-30°426	-5	...	...
*	41°484	+17°737	1°90	46.2851	9°5	...	45°470	-45°305	0°70	47.2600	10°2	*	50°123	-44°709	2°00	47.2616	8°8
*	41°563	-19°178	1°00	47.2581	9°8	...	45°482	-29°781	-5	...	...	...	50°158	-42°945	-5	...	...
...	+41°615	+16°716	0°70	...	...	*	+45°495	+52°592	2°00	46.2861	9°2	...	+50°324	+35°837	-5	...	...
*	41°622	+35°879	1°10	46.2850	9°8	...	45°517	+45°294	-2	...	...	...	50°326	+13°338	-5	...	...
+	41°658	+24°876	-4	...	...	...	45°591	+10°919	0°90	46.2864	10°0	...	50°348	-22°840	-5	...	...
...	41°710	-41°583	0°95	47.2584	10°2	*	45°627	-43°930	1°15	47.2601	8°8	*	50°498	-32°132	1°40	47.2617	9°4
...	41°726	+2°044	0°95	46.2854	10°2	*	45°751	-44°169	2°40	47.2601	8°8	...	50°679	+17°576	-4	...	...
1221	+41°816	+33°367	-5	...	...	...	+45°855	-26°530	-5	...	...	S *	+50°895	-27°157	3°20	47.2618	7°8
...	41°870	+16°824	1°00	46.2853	9°8	*	45°976	-52°271	2°00	47.2602	7°8	...	50°914	-34°230	-5	...	...
S*	41°949	+46°522	3°00	46.2852	8°2	*	45°986	-52°423	1°40	47.2602	7°8	*	51°090	-59°487	3°00	47.2621	8°3
*	41°975	-13°239	0°90	...	...	...	45°990	-19°567	-4	e	...	...	51°135	-26°950	-5	...	...
*	42°008	-50°892	1°60	47.2585	9°2	...	46°057	-8°349	-5	e	...	...	51°191	-11°829	1°00	47.2619	10°2
...	+42°019	+7°314	1°00	46.2855	10°2	...	+46°066	+7°951	-5	...	...	...	+51°209	+43°247	1°05	46.2875	9°8
...	42°206	+15°675	0°85	46.2856	10°2	...	46°190	+35°218	1°00	46.2865	9°8	...	51°334	-28°270	-1	47.2620	10°2
...	42°213	-44°414	-2	...	...	*	46°315	+32°693	4°00	46.2866	7°6	...	51°490	-1°916	-5	e	...
...	42°349	+0°386	-4	...	...	...	46°504	-9°506	-4	...	...	...	51°542	+44°103	-5	...	...
...	42°428	-14°170	-4	...	...	...	46°694	-12°336	-5	e	...	...	51°563	+34°110	0°65	46.2877	10°2

1256. 1st and 2nd images obscured by 2nd and 3rd of 1255; 3rd image measured and corrected.

1317. 46°-53, two stars; 47°-53, mass. C.P.D., combines with a star beyond the range of this plate.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
1351-1390																	
1351	+51·568	+42·230	0·70	46.2876	10·2	1391	+54·736	-2·959	1·40	46.2885	8·2	1431	+57·950	-18·587	-5	...	...
*	51·588	+54·375	2·00	45.2896	9·4		+54·737	-14·957	-5	...	...		58·088	-21·350	-4	...	...
...	51·596	-12·395	-5	e	...		+54·743	-54·513	0·70	47.2632	10·0		58·114	-34·013	-5	e	...
...	51·656	+23·162	0·90	46.2878	10·1		+54·745	-5·103	-1	46.2886	10·2		58·194	-22·501	0·80	...	...
...	51·910	+15·181	-4	...	...		+54·753	+36·876	-4	...	...		58·239	-28·106	-4	...	...
...	+51·974	+25·348	-5	...	...		+54·766	+43·585	-1	...	...		+58·461	+50·638	-4	46.2895	10·2
...	52·153	+5·195	0·65	...	...		55·007	+18·497	0·85	46.2884	10·2		58·495	-11·764	1·00	47.2637	10·0
*	52·183	-19·718	1·30	47.2622	9·8		55·049	+58·417	-1	45.2911	10·1		58·523	-55·397	0·70	47.2639	10·0
...	52·568	+45·045	-5	...	...		* 55·151	+42·490	1·40	46.2883	9·6		58·728	+11·156	1·40	46.2897	9·4
...	52·624	+43·789	-5	...	...		* 55·186	-29·286	1·40	47.2631	9·4		58·790	-2·942	-5	e	...
1361	+52·643	-24·407	0·80	47.2623	10·1	1401	+55·207	-47·863	1·10	47.2633	9·8	1441	+58·867	-5·022	-4	...	...
...	52·785	+2·071	-5	...	...		* 55·348	+7·849	1·05	46.2889	9·8		58·953	-23·642	1·00	47.2638	10·0
...	52·820	+42·135	-4	...	...		55·365	+35·694	-5	...	...		59·101	-3·584	-2	...	...
*	52·900	-41·694	1·40	47.2627	9·6		55·376	+16·196	-2	46.2888	10·2		59·115	-45·803	-5	m	...
...	52·960	-48·530	0·75	47.2629	10·0		55·405	+12·252	-3	...	...		59·128	+24·413	1·05	46.2898	9·8
*	+53·017	-12·238	1·35	47.2624	9·5		+55·485	+0·401	0·70	...	...		+59·374	-42·866	0·70	47.2641	10·2
...	53·219	+1·946	0·95	46.2879	10·2		55·532	-16·175	0·65	...	...		59·396	-40·063	0·90	47.2640	10·0
...	53·223	-15·201	0·70	47.2625	10·2		55·628	-21·688	-2	...	...		† 59·555	+26·189	-3	46.2899	10·2
...	53·287	-13·597	-5	e	...		55·650	+40·610	-2	...	...				
n	53·333	-39·067	1·10	47.2630	9·9		55·662	+27·544	-5	...	...				
1371	+53·433	-19·109	1·00	47.2628	10·0	1411	+55·681	+29·381	1·10	46.2887	9·8						
n	53·435	-38·692	1·00	47.2630	9·9		55·876	+52·698	-5	...	...				
...	53·554	-4·835	-4	...	...		55·917	+19·106	-4	...	...				
...	53·661	+29·026	-5	...	...		55·935	+25·145	-5	...	...				
...	53·765	-31·992	-5	e	...		56·153	-29·969	-2	47.2634	10·2						
...	+53·796	-0·390	-1	e	...		+56·306	+29·032	1·00	46.2891	9·8						
...	53·836	+8·706	-5	...	...		56·320	-37·197	1·20	47.2635	9·8						
...	53·858	+19·125	-4	...	...		56·380	-46·171	-1	47.2636	10·2						
...	53·880	-4·077	-5	e	...		56·423	+41·601	1·00	46.2890	9·8						
...	54·111	+22·087	-5	...	...		* 56·472	+33·280	3·20	46.2892	7·7						
1381	+54·148	-5·286	-3	...	...	1421	+56·831	+11·749	0·70	...	...				
...	54·200	-43·124	-4	...	...		56·861	+55·789	-1	45.2919	10·2						
*	54·202	+16·596	1·40	46.2880	9·4		56·895	+48·955	-3	46.2893	10·2						
†	54·203	+59·771	1·40	45.2906	9·6		56·955	-28·954	0·70	...	...				
...	54·226	+7·600	-2	...	...		56·972	-36·227	-5	e	...						
*	+54·301	+20·534	1·40	46.2881	9·4		+56·993	+12·709	0·70	...	...				
†	54·570	-33·917	-5	...	...		56·998	-13·942	-4	...	...				
†	54·580	+29·399	-5	...	...		57·253	-14·341	-5	e	...						
†	54·587	+25·321	2·00	46.2882	8·9		57·590	+51·190	2·00	46.2894	8·8						
...	54·736	+56·101	-5	...	...		* 57·760	-4·503	1·30	46.2896	9·4						

1370, 1372. C.P.D., suspected double.

I	1-10					11-20					21-30					1898·03	8 ^b 45 ^m
	x.	y.	-2.	No.	Mag.	x.	y.	-2.	No.	Mag.	x.	y.	-2.	No.	Mag.		
I	-59·801	+14·556	-4	...	...	II	-58·721	-32·109	1·00	47.2587	10·2	21	-58·264	+41·451	-5	...	...
†	59·712	+58·715	-2	45.2873	10·2		58·717	-37·372	-4	...	...		58·244	+45·065	-4	...	...
...	59·648	+36·590	-5	...	...		58·707	+5·956	0·70	...	...		58·225	+31·430	-5	...	...
...	59·591	-9·267	0·90	47.2583	10·2		58·706	-44·669	-4	...	...		57·711	+6·653	1·00	46.2862	10·0
...	59·451	-14·444	-4	...	...		58·695	+13·024	-5	...	...		* 57·696	-21·129	1·35	47.2589	9·3
...	-59·289	-41·855	-2	47.2584	10·2	*	-58·690	-51·149	1·35	47.2585	9·2		-57·696	-44·775	-5	...	...
*	59·170	-10·181	4·00	47.2586	7·5		58·567	-22·310	0·90	47.2588	10·2		57·415	+0·146	-4	...	...
...	58·913	+28·071	-5	...	...		58·497	+52·377	1·80	46.2861	9·2		* 57·313	-34·746	1·20	47.2591	9·6
*	58·748	+27·438	1·80	46.2860	9·6		58·494	+4·238	-4	...	...		* 57·253	+35·024	1·00	46.2865	9·8
†	58·731	+19·799	-1	46.2859	10·2		58·318	+17·100	-5	...	...		57·199	+51·213	-4	...	...

L measured from 1, 416, 887, 1342.
C ,,, 212, 687, 1154, 1527.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
31-90																	
31	-57.193	-49.436	0.80	47.2590	neb.	91	-53.357	+15.757	2.00	46.2874	8.8	151	-48.691	+20.610	1.20	46.2881	9.4
*	57.104	+6.701	2.00	46.2863	8.7	*	53.249	-46.128	2.80	47.2607	8.6	*	48.671	+16.681	1.60	46.2880	9.4
...	57.086	-48.976	-1	...	...	...	53.145	+35.777	-5	...	...	...	48.643	-4.755	-4	...	...
...	57.076	+10.726	1.00	46.2864	10.0	...	53.062	-41.010	-4	...	...	...	48.637	-15.125	0.90	47.2625	10.2
*	57.021	+32.516	4.00	46.2866	7.6	*	52.822	-17.347	3.00	47.2609	8.6	...	48.625	-13.517	-5	E	...
*	-56.962	-48.757	4.00	47.2592	7.6	*	52.779	-5.910	1.00	47.2610	10.0	*	48.547	+25.402	2.00	46.2882	8.9
*	56.831	-43.459	3.00	47.2593	8.0	...	52.711	-4.408	-4	...	...	*	48.546	+42.576	1.60	46.2883	9.6
N *	56.822	-44.014	1.25	47.2594	9.5	*	52.642	-51.939	1.90	47.2608	9.2	...	48.532	-0.309	0.90	E	...
...	56.663	-47.144	1.00	47.2595	9.8	*	52.492	+43.215	1.25	46.2875	9.8	...	48.372	+7.680	-4	...	...
...	56.513	+7.781	-5	...	...	*	52.475	+54.358	2.00	45.2896	9.4	...	48.339	-3.977	-5	E	...
41	-56.513	-17.825	-2	...	...	101	-52.439	+13.294	-5	...	...	161	-48.311	-19.029	1.00	47.2628	10.0
...	56.344	+55.930	-1	45.2883	10.2	+	52.385	-20.015	3.00	47.2612	8.4	...	48.141	+52.816	-4	...	...
...	56.313	+21.796	0.80	...	...	...	52.344	+1.544	-4	...	...	*	48.117	-41.608	1.40	47.2627	9.6
*	56.305	+41.612	1.40	46.2867	9.6	...	52.230	+17.541	-4	...	...	...	48.108	+35.793	-5	...	...
...	56.279	+43.892	-5	...	...	...	52.224	+34.468	-5	...	...	...	48.036	-5.185	-3	...	...
*	-56.277	+47.862	1.40	46.2868	9.6	...	-52.192	+44.081	-5	...	...	...	-47.976	+40.704	-4	...	...
...	56.265	-18.671	-2	...	...	...	52.108	+42.208	-1	46.2876	10.2	...	47.937	+18.594	0.90	46.2884	10.2
...	56.208	+54.241	-5	...	...	+	52.023	-49.878	3.00	47.2611	8.4	...	47.833	-48.446	1.00	47.2629	10.0
...	56.097	-47.367	1.05	47.2596	9.8	*	52.001	-23.481	1.20	47.2614	9.6	n	47.769	-38.973	1.00	...	...
...	56.011	-8.514	-4	E	...	...	51.935	-50.763	-2	47.2613	10.2	n	47.681	-38.589	1.00	47.2630	9.9
51	-55.893	-29.953	-4	...	...	111	-51.859	+34.100	-1	46.2877	10.2	*	-47.607	+29.492	1.00	46.2887	9.8
*	55.890	-44.196	1.25	47.2597	9.6	...	51.836	-11.618	-5	M	...	...	47.563	+27.654	-3	...	...
*	55.796	-45.363	1.10	47.2598	9.8	...	51.763	-31.626	1.00	47.2615	9.8	...	47.550	-31.896	-4	E	...
N *	55.755	+59.718	0.85	45.2886	9.8	...	51.413	+23.148	0.95	46.2878	10.1	*	47.504	-2.858	2.00	46.2885	8.2
...	55.703	+44.938	-4	...	...	...	51.312	-40.778	-4	M	...	...	47.480	+16.298	-3	46.2888	10.2
...	-55.700	-19.715	-3	E	...	...	51.284	-30.450	-5	...	...	...	-47.438	-4.990	0.75	46.2886	10.2
...	55.680	+21.569	-5	...	...	...	51.263	-22.871	-4	...	...	...	47.329	+12.372	-3	...	...
...	55.660	-46.842	1.00	47.2599	9.8	...	51.206	+45.047	-5	...	...	...	47.264	+55.925	0.90	45.2919	10.2
...	55.624	-26.696	-4	...	...	...	51.193	+25.350	-5	...	...	*	47.245	+7.969	1.00	46.2889	9.8
...	55.533	-9.659	-4	...	...	...	51.104	+43.792	-5	...	...	...	47.230	+41.721	1.00	46.2890	9.8
61	-55.444	-4.249	-4	...	...	121	-50.918	+15.183	-4	...	...	181	-47.202	+25.276	-5	...	...
...	55.424	-45.463	-1	47.2600	10.2	...	50.858	+42.167	-4	...	...	...	47.128	-14.842	-4	...	...
...	55.379	+42.866	-4	...	...	*	50.813	-32.142	2.00	47.2617	9.4	...	47.105	+33.226	-5	...	...
n*	55.291	-44.091	1.25	47.2601	8.8	...	50.813	-42.949	-4	...	...	...	47.035	+19.235	-5	...	...
...	55.286	+10.778	-3	...	...	*	50.795	-44.723	2.00	47.2616	8.8	...	47.009	+49.092	-3	46.2893	10.2
...	-55.278	+21.339	-4	...	...	...	-50.790	-1.902	-4	E	...	...	-46.948	+29.166	1.00	46.2891	9.8
...	55.239	-12.472	-5	E	...	...	50.776	-11.837	1.00	47.2619	10.2	*	46.906	+33.429	4.00	46.2892	7.7
n*	55.165	-44.320	3.00	47.2601	8.8	...	50.693	+3.194	-5	M	...	...	46.862	+0.523	0.70	...	...
...	55.151	-7.855	-4	E	...	S *	50.551	-27.159	3.60	47.2618	7.8	...	46.854	+19.460	-5	M	...
...	55.040	+51.016	-5	...	...	...	50.352	+5.211	0.80	...	...	...	46.803	+39.946	-5	...	...
71	-55.004	+34.380	-5	...	...	131	-50.345	-12.393	-5	E	...	191	-46.690	-33.785	-1	...	...
...	54.852	+39.542	1.00	46.2870	10.0	...	50.345	-26.955	-4	...	...	...	46.568	+25.566	-5	...	...
...	54.832	-11.620	-5	E	...	...	50.333	-34.219	-5	...	...	*	46.368	+51.357	2.10	46.2894	8.8
*	54.690	-52.421	3.00	47.2602	7.8	...	50.111	-28.255	0.80	47.2620	10.2	...	46.321	+34.922	-5	...	...
*	54.679	-52.544	2.00	...	...	...	49.624	+2.112	-5	...	...	...	46.306	-16.043	0.90	...	...
...	-54.569	+15.502	0.90	46.2871	10.2	...	-49.616	+29.071	-5	...	...	*	-46.228	-29.158	1.15	47.2631	9.4
*	54.552	+16.067	1.00	46.2869	10.0	*	49.543	-19.683	1.05	47.2622	9.8	...	46.019	+52.618	-5	...	...
*	54.408	-21.804	1.10	47.2603	9.8	...	49.512	+43.184	-4	...	...	...	46.015	-21.541	0.65	...	...
...	54.211	-11.323	-4	...	...	...	49.380	+56.173	-5	...	...	...	45.890	+11.917	0.70	...	...
...	54.114	-10.395	-4	...	...	*	49.355	-59.460	3.00	47.2621	8.3	...	45.873	-48.196	-5	M	...
81	-54.098	-28.761	0.90	47.2604	10.1	...	-49.192	+2.009	0.95	46.2879	10.2	...	-45.851	-54.374	1.00	47.2632	10.0
...	54.062	-10.928	-4	M	...	...	49.154	+58.498	1.00	45.2911	10.1	...	45.754	+12.88	0.70	...	...
*	54.015	+20.219	2.70	46.2872	8.6	...	49.087	+19.189	-3	...	...	...	45.662	-7.230	-5	M	...
*	54.005	-46.550	3.00	47.2605	8.2	...	48.962	+43.651	-1	...	...	...	45.613	-47.720	1.00	47.2633	9.8
...	54.001	-2.503	0.90	...	...	*	48.949	-12.172	1.40	47.2624	9.5	...	45.611	-7.281	-5	M	...
...	-53.758	+2.395	-4	...	...	...	-48.940	+22.163	-5	...	...	...	-45.497	+50.839	-3	46.2895	10.2
...	53.715	-31.647	1.00	47.2606	10.0	...	48.934	-24.344	0.85	47.2623	10.1	...	45.462	-6.931	-5	M	...
...	53.559	-30.806	-5	M	...	...	48.792	+8.783	-5	...	...	...	45.296	-59.181	-5	...	...
...	53.521	+12.826	-5	...	...	...	48.761	+36.968	-4	...	...	...	45.250	-29.799	0.75	47.2634	10.2
*	53.442	+16.876	1.20	46.2873	9.8	...	48.710	+29.468	-5	...	...	...	45.042	+33.110	-5	...	...

38. 1st and 2nd images obscured by 3rd and 37; 3rd image measured and corrected.

54. Mass. 46°. 53, two stars; 47°. 52, brighter star.

64, 68. C.P.D., mass.

169, 170. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	
211-270						271-330						331-390						
211	-44° 9' 13	-13° 7' 62	-4	°	271	-40° 6' 45	+39° 0' 28	2° 00	46° 2910	9° 2	331	-36° 3' 58	-34° 6' 70	0° 70	47° 2653	10° 2
+	44° 8' 52	-37° 0' 09	1° 00	47.2635	9° 8	...	40° 6' 17	-26° 2' 73	1° 00	47.2643	10° 2	...	36° 2' 74	+13° 8' 33	1° 00	46.2923	10° 0	
...	44° 6' 39	-14° 1' 45	-5	E	...	...	40° 5' 16	-4° 4' 72	-4	M	...	...	36° 2' 13	-57° 0' 65	-5	...	...
...	44° 4' 96	-45° 9' 69	0° 65	47.2636	10° 2	...	40° 3' 96	+8° 6' 11	-5	...	...	...	36° 1' 91	-19° 4' 60	-5	...	...
...	44° 2' 40	-28° 7' 56	-1	...	...	...	40° 3' 40	-16° 5' 57	1° 00	47.2644	10° 1	*	36° 0' 97	-36° 5' 17	1° 40	47.2654	9° 2
*	44° 1' 57	-27° 2' 65	-5	M	...	...	40° 1' 47	-40° 3' 23	-5	M	...	*	36° 0' 60	+3° 1' 83	1° 15	46.2924	9° 8
44° 4' 37	-4° 3' 02	1° 40	46.2896	9° 4	...	40° 1' 32	+44° 7' 00	-2	46.2913	10° 2	...	36° 0' 03	-35° 8' 50	0° 75	47.2655	10° 1		
...	44° 2' 16	-36° 0' 25	-5	E	...	*	40° 1' 20	+18° 1' 01	2° 70	46.2911	8° 6	*	35° 5' 30	-19° 6' 02	1° 00	47.2657	10° 0	
...	43° 9' 92	+24° 6' 41	1° 05	46.2898	9° 8	†	39° 9' 82	-59° 6' 39	-5	...	...	*	35° 4' 64	+10° 9' 32	1° 10	46.2925	9° 8
*	43° 9' 67	+11° 3' 85	1° 40	46.2897	9° 4	†	39° 9' 20	+20° 3' 90	0° 80	46.2912	10° 1	...	35° 4' 62	+3° 4' 34	-5	...	...
221	-43° 8' 86	+26° 8' 06	-5	...	...	†	39° 9' 05	+58° 5' 03	-4	45.2944	10° 2	...	35° 4' 59	-40° 2' 91	-3	...	...
...	43° 8' 27	+40° 6' 37	-5	...	...	...	39° 8' 50	+42° 4' 66	-5	...	...	...	35° 3' 52	+13° 8' 49	-5	...	...
...	43° 7' 93	-18° 3' 61	-5	...	...	...	39° 8' 03	-20° 8' 20	-5	M	...	*	35° 3' 07	-15° 7' 78	1° 50	47.2658	9° 6
...	43° 6' 20	+26° 4' 34	0° 75	46.2899	10° 2	†	39° 7' 36	+14° 9' 08	1° 00	46.2914	9° 8	...	35° 2' 48	-27° 6' 87	-5	M	...	
...	43° 5' 81	-21° 1' 28	-3	...	...	...	39° 7' 35	-31° 3' 69	1° 00	47.2645	10° 0	...	35° 2' 03	+53° 7' 30	-5	...	...
*	43° 4' 97	-11° 5' 26	1° 10	47.2637	10° 0	...	39° 7' 34	-7° 9' 10	1° 00	47.2647	10° 2	...	34° 9' 93	-44° 9' 03	0° 65	47.2659	10° 1	
...	43° 4' 69	-2° 6' 92	-5	E	...	...	39° 6' 00	-14° 8' 40	-5	M	...	†	34° 9' 73	+29° 7' 42	0° 70	46.2926	10° 2
...	43° 4' 46	-22° 2' 76	0° 90	...	...	...	39° 4' 41	+27° 6' 68	0° 70	...	...	...	34° 7' 38	+44° 6' 39	-3	...	...
...	43° 3' 21	-4° 7' 76	-3	...	...	*	39° 4' 36	-49° 4' 98	1° 15	47.2646	10° 0	...	34° 7' 37	+13° 1' 16	1° 00	46.2927	9° 8
...	43° 2' 80	-4° 6' 31	-5	...	...	...	39° 4' 32	+18° 1' 24	-5	...	...	...	34° 6' 78	+14° 1' 48	-3	...	...
231	*	-43° 2' 59	+25° 2' 22	1° 20	46.2900	9° 8	...	39° 4' 21	-15° 1' 76	-1	34° 5' 95	+13° 0' 01	-5
...	43° 2' 01	-27° 8' 57	-3	...	...	*	39° 3' 55	-37° 9' 50	1° 30	47.2648	9° 5	...	34° 5' 79	+12° 9' 34	-5	...	...
...	43° 1' 58	-33° 7' 63	-4	E	...	...	39° 3' 13	+23° 1' 79	-5	...	...	...	34° 4' 64	-47° 8' 06	-3	...	...
...	43° 1' 34	-3° 3' 44	-1	...	...	...	39° 2' 84	+27° 3' 82	-5	...	...	*	34° 4' 36	-41° 5' 03	1° 20	47.2660	9° 6
...	43° 1' 04	+32° 7' 24	0° 70	46.2901	10° 2	...	39° 1' 54	-34° 7' 28	-2	...	...	†	34° 4' 30	+9° 9' 31	-5	...	...
...	42° 9' 93	-21° 9' 98	-5	M	...	*	39° 1' 00	+23° 0' 25	1° 10	46.2915	9° 8	*	34° 3' 79	+2° 2' 90	2° 00	46.2928	8° 9	
...	42° 8' 74	-54° 1' 30	-5	M	...	...	39° 0' 82	+30° 8' 50	1° 00	46.2916	10° 2	...	34° 3' 31	+10° 2' 03	-5	...	...
...	42° 8' 67	+20° 4' 58	-3	...	...	...	38° 9' 47	-46° 8' 26	0° 70	...	...	...	34° 2' 42	+23° 4' 69	1° 00	46.2929	10° 0
S *	42° 8' 08	+16° 7' 97	-5	...	...	...	38° 7' 25	-19° 3' 52	-5	M	...	*	34° 2' 36	-52° 5' 71	1° 30	47.2661	9° 6
42° 6' 49	+14° 4' 88	4° 00	46.2902	7° 6	...	...	38° 6' 41	+18° 5' 55	-5	...	...	...	34° 1' 59	+50° 3' 62	-4	...	...
241	-42° 6' 44	-23° 3' 91	1° 00	47.2638	10° 0	*	38° 6' 34	-41° 8' 84	1° 05	47.2649	9° 8	...	34° 0' 83	-57° 3' 60	-3	...	...
...	42° 6' 35	-41° 2' 50	-5	M	...	...	38° 5' 74	-9° 9' 00	-2	...	...	...	34° 0' 63	-25° 8' 17	-3	...	...
...	42° 6' 19	+5° 7' 35	1° 05	46.2903	10° 1	...	38° 5' 71	+59° 5' 67	-4	...	...	...	34° 0' 38	+43° 6' 10	0° 70	46.2932	10° 2
...	42° 5' 40	+27° 5' 83	-5	...	...	...	38° 5' 12	+3° 3' 32	0° 70	...	...	...	34° 0' 27	-42° 4' 29	-5	M	...
...	42° 4' 32	+17° 1' 55	-5	...	...	*	38° 5' 03	+9° 7' 03	1° 20	46.2917	9° 6	...	33° 9' 48	+22° 0' 69	-5	...	...
...	42° 4' 04	+26° 2' 40	0° 90	46.2904	10° 2	*	38° 4' 24	-51° 5' 12	2° 00	47.2650	9° 4	...	33° 9' 39	-43° 3' 64	-5	M	...	
...	42° 2' 69	-18° 9' 27	-5	M	...	...	38° 4' 00	-27° 7' 64	-1	...	...	*	33° 8' 93	+0° 1' 18	1° 40	46.2930	9° 2
...	42° 0' 62	-55° 1' 21	0° 80	47.2639	10° 0	...	38° 3' 40	+40° 3' 47	-2	...	...	...	33° 8' 66	+56° 5' 07	-4	45.2974	10° 2
...	42° 0' 52	+0° 4' 73	-5	...	...	...	38° 2' 22	+47° 8' 01	1° 00	46.2918	10° 1	...	33° 8' 43	+58° 8' 48	-5	...	...
...	41° 9' 67	+11° 3' 42	0° 80	46.2905	10° 2	...	38° 1' 24	-23° 8' 49	-1	...	...	...	33° 7' 71	+22° 8' 58	1° 00	46.2931	10° 0
251	-41° 9' 35	+42° 3' 51	0° 90	46.2907	10° 2	...	38° 0' 65	+48° 9' 26	-3	46.2919	10° 2	...	33° 6' 10	+11° 3' 00	0° 70	...	...
...	41° 9' 29	+15° 1' 13	-2	...	...	...	37° 9' 41	-48° 7' 17	-5	...	...	...	33° 5' 99	-7° 3' 20	-5	M	...
...	41° 8' 15	+49° 6' 53	0° 70	46.2909	10° 2	...	37° 9' 20	-12° 6' 98	-5	M	...	...	33° 5' 58	-4° 5' 38	1° 00	46.2933	10° 1
†	41° 7' 91	-44° 9' 15	-5	...	...	...	37° 8' 89	+41° 2' 10	-4	...	...	...	33° 4' 50	-26° 8' 00	-5	M	...
...	41° 7' 15	+58° 7' 38	-4	...	...	S *	37° 7' 44	-37° 5' 91	2° 00	47.2652	8° 6	...	33° 4' 44	+55° 9' 84	-3	45.2979	10° 2
...	41° 6' 82	-59° 2' 58	-5	...	...	N *	[-37° 7' 30	+53° 3' 53	1° 80	46.2920	9° 2	*	33° 3' 95	-37° 1' 75	1° 40	47.2662	9° 6
...	41° 6' 76	-39° 7' 89	1° 05	47.2640	10° 0	...	37° 6' 23	-35° 2' 80	0° 70	...	...	...	33° 3' 85	+18° 2' 74	-4	...	...
*	41° 6' 41	+16° 3' 10	1° 20	46.2906	9° 8	...	37° 5' 87	-40° 1' 72	-5	M	...	...	33° 3' 95	-9° 1' 55	0° 65	...	...
...	41° 6' 02	-42° 5' 68	0° 90	47.2641	10° 2	*	37° 3' 96	+3° 3' 29	1° 30	46.2921	9° 6	...	33° 1' 02	-37° 1' 70	-5	...	...
α	41° 5' 12	-0° 3' 49	0° 80	46.2908	10° 2	...	37° 2' 71	+53° 4' 23	-5	...	...	...	33° 0' 87	+19° 0' 82	-3	...	...
261	-41° 4' 44	+8° 6' 42	-4	...	...	...	37° 2' 10	+42° 1' 27	-3	...	...	*	-32° 9' 61	+15° 9' 43	1° 35	46.2934	9° 5
...	41° 4' 30	+30° 1' 76	-4	...	...	...	37° 1' 36	-9° 8' 23	-3	...	...	...	32° 8' 67	+15° 9' 91	-2	46.2935	8° 6
...	41° 3' 94	-5° 9' 98	-1	...	...	...	37° 0' 11	-18° 2' 80	-5	...	...	*	32° 8' 57	+9° 6' 49	2° 00	46.2935	8° 6
...	41° 2' 48	+19° 6' 39	-4	...	...	...	36° 9' 86	+42° 2' 85	-5	...	...	...	32° 7' 66	+59° 6' 41	-5	...	...
...	41° 0' 98	-2° 7' 65	-4	M	...	...	36° 9' 68	-33° 2' 92	-5	M	...	...	32° 7' 55	+17° 1' 97	-4	...	...
...	-40° 9' 77	-9° 0' 99	-5	M	...	...	36° 8' 29	-42° 3' 06	0° 70	...	...	...	-32° 5' 75	-30° 7' 91	-2	...	...
...	40° 8' 75	+20° 6' 16	-2	...	...	...	36° 7' 35	-44° 2' 06	-5	M	...	...	32° 5' 59	+17° 7			

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.			x.	y.	-z.	No.	Mag.			x.	y.	-z.	No.	Mag.	
391-450																				
391	-32·316	+42·103	-5	o	...	...	451	-28·240	-17·659	0·90	o	...	...	511	-24·551	+21·599	0·85	46·2960	10·2
*	32·186	+56·525	1·20	45·2985	10·0	...	...	28·146	+54·656	1·00	45·2997	10·0	...	...	24·359	+41·093	-5	...	...
...	32·118	+15·759	-2	46·2936	10·2	...	...	28·107	-34·613	0·90	...	...	...	...	24·265	+21·551	-4	...	...
...	32·091	-35·811	0·80	...	...	...	...	28·077	-6·033	1·00	47·2674	10·1	...	...	24·247	+9·038	-4	...	...
...	31·974	-38·608	-3	...	...	...	...	28·014	-11·479	-4	M	...	...	...	24·227	-12·725	2·90	47·2682	8·6
*	31·973	-50·372	1·20	47·2663	9·8	...	...	28·007	-16·201	-4	M	...	...	...	24·218	+3·251	-5	M	...
...	31·814	+39·457	-5	...	...	...	...	27·972	-34·264	-5	M	...	...	...	24·215	+21·245	-4	...	...
...	31·528	+52·582	1·00	46·2937	10·1	...	...	27·940	+51·456	-1	46·2948	10·2	...	...	24·179	-51·847	-5	M	...
...	31·392	-18·081	-5	M	...	...	...	27·858	-46·158	-5	...	...	...	...	24·165	+57·467	-5	...	...
...	31·239	-8·996	-4	M	...	...	...	27·810	+39·457	-5	M	...	...	...	24·148	+48·820	-5	...	...
401	461					521					531					541				
*	-31·159	-15·850	1·20	47·2664	9·8	...	...	-27·771	+20·451	-4	...	...	...	...	-24·104	+9·035	-4	...	...
...	31·063	+7·781	-5	...	...	...	...	27·713	+25·620	0·85	46·2949	10·2	...	...	24·088	+44·580	1·00	46·2961	10·1
...	31·004	-32·468	-4	...	...	...	...	27·711	+59·465	-5	...	...	...	...	24·070	+25·849	-4	...	...
...	30·873	-11·010	-5	...	...	...	...	27·676	+58·196	-5	...	...	...	...	24·018	-15·897	-2	...	...
...	30·841	-29·547	-5	M	...	...	...	27·657	-51·199	-4	...	...	...	...	23·991	+10·626	1·00	...	...
...	30·705	-34·594	0·70	...	...	...	...	-27·653	+40·122	1·00	46·2950	10·0	...	...	-23·922	-46·135	-4	...	...
S*	30·638	+25·951	-5	...	...	...	...	27·526	-21·241	-3	...	...	...	...	23·905	+27·470	-3	...	...
*	30·616	+40·538	2·60	46·2938	8·6	...	...	27·524	-8·804	-5	...	...	...	...	23·880	-54·117	-4	...	...
*	30·527	-39·338	1·40	47·2665	9·6	...	...	27·144	+38·521	-4	...	...	...	...	23·854	+43·275	-4	...	...
*	30·451	+6·347	1·25	46·2939	9·6	...	...	27·084	-24·485	-2	B	...	...	...	23·794	-31·941	-4	M	...
411	471					531					541					551				
...	-30·430	-16·346	-2	47·2666	10·2	†	...	-26·993	-15·072	-4	M	...	...	...	-23·775	-26·966	-4	...	...
...	30·344	+30·556	-4	...	...	...	...	26·918	+17·269	-3	...	...	...	...	23·774	+8·829	-3	...	...
...	30·286	+43·518	-5	...	...	*	...	26·872	+30·296	2·00	46·2951	9·0	...	...	23·734	+36·689	-5	...	...
...	30·247	+37·984	1·00	46·2941	10·0	...	...	26·832	+22·408	-5	...	...	...	...	23·731	+16·025	-5	...	...
*	30·215	-31·730	1·05	47·2667	10·1	...	...	26·784	-39·002	0·95	47·2675	10·1	...	...	23·618	+0·558	0·70	46·2962	10·2
†	-29·954	+0·267	-3	46·2940	10·2	...	...	-26·754	-21·026	-4	M	...	...	...	-23·609	-20·147	-5	M	...
†	29·905	+35·180	0·70	46·2943	10·2	...	...	26·696	-27·465	-5	M	...	...	...	23·517	-38·586	-4	...	...
...	29·859	+59·652	-5	...	...	*	...	26·474	-8·063	1·00	47·2676	9·8	...	...	23·421	-22·689	0·90	47·2683	10·1
...	29·847	+5·444	0·65	46·2942	10·2	...	...	26·464	-26·940	-5	M	...	...	...	23·406	+8·261	-5	...	...
...	29·810	+0·790	-5	M	...	...	...	26·438	+13·601	-5	M	...	...	...	23·354	+21·122	-2	...	...
421	481					541					551					561				
...	-29·720	-40·446	-2	47·2669	10·2	...	...	-26·418	+38·783	-2	46·2952	10·2	...	...	-23·265	-46·145	-2	...	...
*	29·707	-48·069	1·80	47·2668	9·4	...	...	26·412	-30·335	-1	47·2677	10·2	...	...	23·180	-12·762	-5	M	...
...	29·655	-9·190	-4	...	...	...	...	26·361	+41·410	1·00	46·2953	10·0	...	...	23·094	-51·410	-1	47·2684	10·2
...	29·563	-10·264	-4	M	...	...	...	26·353	-6·324	0·90	47·2679	10·1	...	...	23·022	+23·853	-5	...	...
...	29·455	-35·609	-5	M	...	...	...	26·303	+29·970	-4	...	...	...	...	23·021	+28·940	1·00	46·2963	10·2
...	29·348	-44·275	-5	M	...	*	...	-26·243	-34·014	3·00	47·2678	8·0	*	...	-22·969	+25·806	1·10	46·2964	9·8	
...	29·258	+32·743	-4	...	...	...	...	26·077	-16·541	-4	M	...	*	...	22·930	-53·704	1·40	47·2685	9·6
...	29·188	+27·736	0·70	46·2944	10·2	...	...	26·070	+19·466	1·00	46·2954	9·8	...	...	22·856	-52·453	-1	47·2686	10·2
...	29·170	-23·915	-4	M	...	...	...	26·038	-14·572	-5	M	...	...	...	22·825	-6·922	-5	M	...
...	29·122	-9·800	-1	...	...	...	...	26·020	+20·954	0·80	...	...	†	...	22·800	+24·872	-3	...	...
431	491					551					561					571				
...	-29·075	+40·941	-5	...	*	...	...	-25·815	+56·696	1·20	45·3008	9·6	...	...	-22·679	-37·159	-4	M	...
...	29·069	-20·966	-4	M	...	*	...	25·808	-32·030	1·60	47·2680	9·2	...	...	22·658	+33·408	-5	...	...
...	28·958	-36·603	1·00	47·2670	10·0	...	...	25·765	-51·343	-5	M	...	...	...	22·643	-15·605	0·90	47·2687	10·2
...	28·873	+55·841	1·05	45·2994	10·0	...	...	25·700	+57·385	1·00	45·3009	10·0	...	...	22·603	-11·812	-5	M	...
*	28·846	-25·472	1·90	47·2671	9·2	...	...	25·638	-10·870	-4	M	...	...	...	22·577	+20·181	-5	...	...
...	28·828	+23·778	-5	...	...	...	...	-25·601	-36·739	0·70	...	...	...	...	-22·522	-26·986	-5	M	...
...	28·776	+31·495	-5	M	...	...	...	25·389	-9·471	-5	M	...	...	...	22·461	-2·093	-2	...	...
...	28·766	+55·557	-5	...	...	...	...	25·386	-34·347	-5	M	...	...	...	22·455	+35·548	-4	...	...
...	28·746	+27·125	-4	...	...	...	...	25·321	-59·469	-4	M	...	...	...	22·443	+54·484	-5	...	...
...	28·741	+52·260	1·00	46·2946	10·2	*	...	25·276	-26·626	2·00	47·2681	9·2	†	...	22·357	+49·827	-5	...	...
441	501					561					571					581				
...	-28·734	-13·464	-5	M	...	...	...	-25·220	+17·430	-4	...	...	...	...	-22·347	+5·966	1·00	46·2965	10·2
*	28·592	+2·851	1·05	46·2945	9·6	...	...	25·215	-19·614	-1	...	...	...	...	22·323	+41·240	-4	...	...
...	28·589	+41·646	-5	...	...	+	...	25·036	+6·781	1·00	46·2956	10·0	...	...	22·176	+21·009	-4	...	...
...	28·557	-17·136	-4	...	...	...	...	24·890	+5·348	-1	46·2955	10·2	...	...	22·101	-47·605	-4</td		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
571-630						631-690						691-750					
571	-21.493	+26.247	1.00	46.2967	10.0	631	-18.397	+32.464	1.00	46.2981	10.1	691	-14.442	-30.430	-1	47.2701	10.2
...	21.417	-19.914	-4	...	...	...	18.311	-55.982	-4	...	...	...	14.347	+33.032	-4	...	...
...	21.370	+12.952	-5	...	...	*	18.247	+7.285	1.00	46.2982	10.0	...	14.330	+16.292	-2	...	...
*	21.363	+47.855	2.00	46.2968	8.9	...	18.241	-12.900	-5	M	...	...	14.182	+42.562	1.00	46.2993	9.8
...	21.302	-49.383	0.80	...	...	*	18.184	+53.316	1.30	46.2983	9.6	...	14.157	+19.746	-5	...	...
*	-21.269	+54.250	1.30	46.2969	9.6	...	18.171	+22.331	-2	...	...	...	14.052	+15.038	-5	...	...
...	21.182	-29.265	-4	M	...	...	17.732	-27.514	-5	M	...	...	14.000	+21.840	-4	...	...
...	21.149	+40.487	-4	...	...	...	17.723	-38.093	-5	M	...	...	13.931	+32.546	-5	...	...
...	21.149	-48.549	0.90	...	...	...	17.682	-7.420	0.70	47.2694	10.2	...	13.886	+10.917	0.70	46.2994	10.2
...	21.118	-50.895	-4	...	...	...	17.631	+10.358	-5	...	...	...	13.835	+23.360	-5	...	...
581	-21.096	-19.607	-5	...	...	641	-17.570	-48.814	-5	M	...	701	-13.718	-37.220	0.80	47.2703	10.1
...	21.056	+14.654	1.00	46.2970	10.2	*	17.567	+21.526	1.15	46.2984	9.6	...	13.594	-8.977	-5	M	...
...	20.866	+24.960	0.90	46.2971	10.1	...	17.532	-28.809	0.70	...	...	...	13.591	-56.863	-5	...	...
...	20.858	-29.089	0.90	47.2688	10.2	...	17.513	-19.530	1.00	47.2695	9.8	*	13.585	-23.877	1.00	47.2704	10.1
...	20.761	+39.553	-5	...	...	...	17.474	-27.704	0.70	...	...	...	13.577	-58.419	-1	47.2702	10.1
...	-20.742	-17.400	0.90	47.2689	10.2	...	17.264	+30.852	-5	...	...	...	13.569	+30.153	1.00	46.2995	10.2
...	20.544	+9.286	-4	...	...	...	17.150	-10.585	0.70	47.2696	10.2	...	13.451	-22.424	0.70	47.2705	10.2
...	20.472	+17.593	-4	...	...	...	17.123	+26.910	-5	...	...	...	13.437	+24.153	-4	...	...
...	20.444	-8.347	-5	M	...	...	17.093	+45.950	-5	M	...	*	13.342	+13.795	2.00	46.2996	8.7
...	20.431	+28.010	-5	...	...	...	17.078	-32.990	-4	...	...	...	13.189	-2.549	-5	M	...
591	-20.407	-28.842	-4	M	...	651	-17.062	+51.024	-5	...	...	711	* -13.170	-27.788	2.20	47.2706	8.6
...	20.324	-19.933	-4	...	...	*	16.908	+15.752	1.00	46.2986	9.8	...	13.027	+38.923	-4	...	...
...	20.219	+36.861	1.00	46.2972	10.0	...	16.852	+9.262	-4	...	...	...	12.933	-49.487	-5	M	...
*	20.219	-6.225	2.00	47.2690	8.8	...	16.838	+28.674	0.90	46.2985	10.2	...	12.709	-28.452	0.70	47.2707	10.1
...	20.177	+18.401	-5	M	...	...	16.756	+42.529	-4	...	...	...	12.683	-52.164	-5	M	...
...	-20.168	+46.044	-4	...	...	...	16.746	+16.595	-5	M	...	*	12.502	-15.938	1.25	47.2708	9.8
S+	20.154	-11.073	4.00	47.2691	7.8	...	16.713	+17.752	-4	...	...	...	12.432	+21.151	1.10	46.2997	10.0
...	20.124	-48.449	0.90	...	...	...	16.400	-25.429	-5	M	...	...	12.401	+54.082	-5	...	...
...	20.103	-44.102	-2	...	...	...	16.385	+21.364	-5	...	...	...	12.357	+39.043	-5	...	...
†	20.075	+45.736	-2	...	...	*	16.336	-58.388	2.00	47.2697	8.6	...	12.344	+27.520	-3	...	...
601	* -20.041	+48.461	1.00	46.2973	9.6	...	16.281	+7.986	-2	...	...	721	-12.344	-40.002	0.65	47.2709	10.0
†	19.954	-0.404	0.80	...	...	*	16.248	+52.258	1.00	46.2987	9.8	...	12.299	+26.885	1.00	46.2998	10.0
†	19.921	-20.327	0.70	...	...	...	16.207	+23.829	-2	...	...	...	12.299	+8.116	-5	...	...
†	19.918	+27.097	-4	...	...	...	16.148	-20.351	-3	...	...	...	12.212	-19.887	-2	...	...
*	19.854	+41.765	2.00	46.2975	8.8	...	16.147	+13.971	0.70	46.2988	10.2	...	12.209	-22.816	0.85	47.2711	10.1
...	-19.820	+48.029	0.70	...	...	...	16.142	+48.133	-5	...	...	...	12.174	+41.010	-5	...	...
...	19.782	-33.587	-3	...	...	...	16.139	-49.156	-5	M	...	*	12.149	-54.741	1.40	47.2710	9.3
...	19.767	+16.747	-3	...	...	...	16.049	+27.519	-5	M	...	†	12.132	+44.759	-5	...	...
*	19.766	+22.102	1.00	46.2974	9.8	...	16.043	+33.593	1.00	46.2989	9.8	...	12.109	-20.757	-1	...	...
...	19.757	+48.788	-5	...	...	...	16.027	+46.193	-4	...	...	...	12.066	+54.680	-4	...	...
611						671						731					
...	-19.605	+27.493	-5	...	...	*	16.009	+14.747	-4	...	...	...	-12.014	+4.222	-5	...	...
...	19.568	+9.636	-2	...	...	*	15.889	+54.935	2.00	45.3039	9.0	...	12.006	+52.760	-5	...	...
...	19.546	+50.068	-1	46.2976	10.2	...	15.884	-3.107	-5	M	...	...	11.966	-9.047	0.80	47.2712	10.2
...	19.308	+11.646	-4	...	...	...	15.707	+8.746	-5	M	...	...	11.962	+43.019	0.70	46.2999	10.2
*	19.308	-17.565	1.00	47.2692	9.8	...	15.631	-32.206	0.90	47.2698	10.1	...	11.915	-23.650	-1	...	...
†	-19.262	+4.947	-4	...	...	...	15.605	+54.336	-5	...	...	...	-11.745	-46.838	-5	...	...
...	19.231	+33.719	0.65	...	...	...	15.597	+32.916	-5	...	...	...	11.737	-34.345	-5	...	...
...	19.228	+8.151	-2	...	...	...	15.565	+22.369	-4	...	...	...	11.531	+28.206	-5	...	...
*	19.227	-32.687	2.10	47.2693	8.6	...	15.494	-1.914	0.80	...	...	...	11.468	+46.137	1.00	46.3000	10.0
...	19.153	+17.970	1.00	46.2977	10.2	...	15.377	+6.014	1.00	46.2990	10.2	...	11.468	-16.740	-2	...	...
621						681						741					
...	-19.106	-15.833	-1	...	...	*	15.357	-21.228	0.65	...	...	...	-11.467	-8.673	0.70	47.2713	10.2
...	19.033	-41.468	-3	...	...	...	15.266	+38.087	-2	...	...	...	11.406	+37.749	-5	...	...
...	18.921	-55.127	-5	M	...	...	15.246	+11.308	1.00	46.2991	10.2	...	11.291	-51.644	-5	...	...
...	18.914	+33.370	-2	...	...	...	15.134	+38.829	-4	...	...	...	11.270	+10.439	-5	...	...
...	18.796	+40.333	-5	...	...	...	15.123	+38.556	-2	...	...	...	11.229	+16.551	-5	...	...
...	-18.794	+49.638	-1	46.2978	10.2	...	15.087	-9.155	-3	...	...	*	-11.117	+9.706	1.10	46.3001	9.8
*	18.786	+40.693	1.60	46.2979	9.1	...	14.917	+48.703	-5	...	...	...	11.103	+10.489	-5	...	...
*	18.549	+10.059	1.00	46.2980	9.8	...	14.828	-9.087	0.70	47.2700	10.2	...	10.933	-53.922	-5	...	...
...	18.545	+58.989	-1	...	...	...	14.519	+11.850	-5	...	...	...	10.871	+22.333	-5	...	...
...	18.496	+36.482	-4	...	...	...	14.518	+12.059	0.70	46.2992	10.1	*	10.851	-32.286	1.80	47.2714	8.8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
751-810																	
751	-10.814	+53.898	-1	46.3002	10.2	811	-7.133	+35.202	-1	46.3019	10.2	871	-1.859	-52.789	-5	...	...
...	10.764	+20.433	0.70	...	...	...	7.112	-35.132	1.00	47.2725	10.0	...	1.846	-38.565	-2	...	...
*	10.759	-21.581	1.30	47.2715	9.6	...	7.070	+59.205	-2	...	...	*	1.795	+18.721	1.20	46.3037	9.8
...	10.654	+36.748	0.70	...	...	...	7.049	+56.084	1.40	45.3062	9.6	†	1.601	-39.996	-5	M	...
...	10.633	+25.596	-5	M	...	...	6.958	-56.510	-5	M	...	...	1.493	+41.900	-3	...	...
*	-10.625	-39.004	1.30	47.2716	9.6	...	6.878	-47.430	1.00	47.2726	10.0	...	1.438	+41.531	1.00	46.3038	9.8
*	10.604	-34.308	1.30	47.2717	9.6	...	6.784	+40.612	-5	...	...	...	1.413	-16.656	1.00	47.2733	10.0
...	10.596	+35.162	-2	...	...	...	6.759	+23.455	-5	...	...	...	1.307	+54.365	-5	...	...
*	10.544	+27.643	1.10	46.3003	9.8	...	6.755	+47.364	-4	...	...	...	1.209	-14.153	-1	...	...
...	10.493	+31.420	-5	...	...	...	6.633	+1.339	-5	...	...	...	1.154	+27.017	-5	...	...
761-821																	
761	* -10.462	-10.455	1.40	47.2718	9.6	...	6.482	+38.739	0.70	46.3021	10.2	881	-1.095	-33.811	-5	M	...
...	10.397	+29.952	-5	...	...	...	6.066	+53.805	-5	...	...	...	0.985	-36.893	-3	...	...
...	10.367	+9.730	-5	...	...	...	5.918	-27.587	-4	M m	...	...	0.887	+33.120	-5	...	...
...	10.314	+3.166	1.05	46.3005	10.0	...	5.911	+45.497	-5	...	...	...	0.407	-30.865	0.75	47.2734	10.2
...	10.301	-42.825	-2	47.2719	10.2	*	5.901	+22.387	1.40	46.3022	9.6	...	0.102	-32.008	0.80	47.2735	10.2
...	-10.193	+7.576	-3	...	...	*	5.536	+56.337	1.20	45.3065	9.8	S+	-0.071	+27.580	2.10	46.3039	8.6
*	10.153	+6.935	1.10	46.3004	9.8	*	5.374	+32.114	1.00	46.3023	9.8	...	+0.214	+35.980	-4	...	...
++	10.065	-29.037	2.00	47.2720	8.6	...	5.140	+51.910	-5	...	...	*	0.304	+8.372	1.10	46.3041	9.6
++	10.026	-44.897	1.40	47.2721	9.0	†	5.036	+35.604	-1	46.3024	10.2	...	0.310	+17.382	-5	M	...
++	10.012	+11.587	1.40	46.3006	9.3	†	5.005	+19.783	-2	46.3025	10.2	...	0.311	+41.531	1.00	46.3040	9.8
771-831																	
771	-9.945	+46.591	-5	...	...	...	4.929	-36.911	-4	...	...	*	+0.352	-57.099	1.40	47.2736	9.6
†	9.900	+24.852	-5	...	...	*	4.744	+45.479	1.30	46.3026	9.6	...	0.377	+23.378	-2	...	...
...	9.709	+25.756	-2	...	...	...	4.721	+37.936	0.90	46.3027	10.2	...	0.404	-50.809	1.00	47.2737	10.0
...	9.508	+58.769	-5	...	...	...	4.685	-25.079	-5	M m	...	...	0.542	-39.955	-4	...	...
*	9.464	+55.045	3.00	45.3056	7.8	...	4.547	-48.580	-5	...	...	...	0.810	-6.789	0.90	47.2738	10.2
...	-9.403	+32.936	-5	...	...	...	4.511	+17.930	-2	...	...	+	0.990	+55.585	0.80	45.3084	10.2
...	9.336	-28.424	-2	...	...	...	4.501	+57.151	-4	...	...	...	0.999	-21.571	0.70	...	...
*	9.318	+10.654	1.25	46.3008	9.5	...	4.256	+55.516	-4	...	...	*	1.004	-32.732	1.20	47.2739	9.6
*	9.312	+7.337	1.20	46.3007	9.4	...	4.216	+30.579	-1	...	...	...	1.033	+15.836	-5	m	...
...	9.296	+5.160	0.70	46.3009	10.2	*	4.040	+43.466	1.00	46.3028	10.0	...	1.129	-55.037	-5	M	...
781-841																	
781	-9.266	-39.365	-4	...	...	...	3.929	+34.151	-1	...	...	...	+1.183	+11.694	-5	M	...
*	9.121	+27.344	1.40	46.3010	9.3	...	3.928	-39.735	-5	M m	...	...	1.304	+4.471	-3	...	...
...	9.060	+14.424	-5	...	...	*	3.789	-19.605	2.00	47.2727	9.0	...	1.306	-15.818	1.00	47.2740	10.2
...	9.052	+34.300	0.70	46.3011	10.2	...	3.772	+21.953	-2	46.3029	10.2	...	1.348	-27.305	-5	M	...
*	9.043	+28.151	-5	...	...	...	3.503	-19.445	-5	...	...	*	1.492	-27.141	1.00	47.2741	9.6
—	8.981	+41.653	2.20	46.3012	8.6	...	3.479	+54.124	-4	...	...	+	1.503	+41.461	-4	...	...
...	8.590	+40.060	-5	...	...	*	3.467	-38.478	1.40	47.2728	9.2	...	1.538	-57.948	-4	...	...
...	8.551	-50.878	-3	...	...	...	3.401	+49.273	0.80	46.3030	10.0	*	1.694	+8.866	1.20	46.3042	9.6
...	8.493	-40.536	-1	...	...	*	3.367	+44.112	1.20	46.3031	9.6	...	1.770	-59.417	-1	47.2745	10.2
...	8.466	-19.954	-2	...	...	...	3.365	+49.647	1.00	46.3032	10.0	+	1.777	-10.003	3.00	47.2742	8.2
791-851																	
791	-8.430	+33.942	-3	46.3013	10.2	*	3.362	-29.741	1.10	47.2730	9.8	911	+1.786	+42.783	1.00	46.3043	10.0
...	8.322	-35.839	-2	...	...	...	3.133	-21.129	-4	...	...	...	1.789	+37.935	-4	...	...
...	8.287	-4.888	0.70	46.3014	10.2	...	3.097	-43.131	-1	...	...	...	1.837	+17.807	-4	M	...
†	8.176	-54.940	-5	...	...	...	3.065	+35.864	-5	...	...	...	1.838	-47.768	0.95	47.2744	10.2
...	8.147	+12.215	-5	...	...	...	2.862	-49.179	-3	...	...	...	1.958	-31.118	-4	M	...
++	8.096	+9.922	1.20	46.3015	9.4	...	2.839	+19.176	-4	...	...	*	+1.999	-16.135	1.10	47.2743	9.6
...	8.000	+53.716	-5	...	...	...	2.712	+20.123	-4	...	...	...	2.018	+46.155	1.00	46.3044	10.1
*	7.984	+19.809	1.20	46.3016	9.4	*	2.627	-22.802	1.00	47.2731	9.8	...	2.073	-5.799	-5	M	...
...	7.982	-28.137	-3	...	...	...	2.623	+21.319	-5	m	...	...	2.144	+46.902	1.00	46.3045	9.8
...	7.876	+32.136	-4	M	...	*	2.612	+46.733	1.50	46.3033	9.6	...	2.151	+4.032	1.00	46.3046	9.8
801-861																	
801	-7.860	-6.140	-1	...	...	...	2.573	-45.584	-4	...	...	...	+2.320	+11.681	-4	...	...
...	7.852	-45.447	-5	...	...	...	2.560	+20.502	-5	m	...	...	2.323	+3.016	-4	...	...
...	7.715	-34.429	-5	M	...	...	2.439	-2.887	1.00	46.3034	10.1	...	2.390	+33.672	-4	...	...
...	7.636	+41.265	-1	...	...	...	2.240	+18.124	-3	...	...	...	2.473	-57.934	-2	...	...
...	7.594	+56.042	-3	...	...	...	2.169	+15.457	-5	...	...	...	2.484	+50.952	-4	...	...
S *	-7.360	+9.694	2.30	46.3017	8.7	...	2.110	-11.288	-5	...	...	...	+2.489	+17.276	-3	...	...
...	7.335	+14.481	0.85	46.3018	10.1	...	1.997	-30.072	0.90	47.2732	10.0	...	2.496	+37.682	-4	...	...
...	7.220	-49.795	1.00	47.2723	10.0	...	1.922	+21.219	-5	...	...	...	2.507	+15.695	-3	...	...
...	7.184	-4.497	1.00	46.3020	10.1	*	1.894	+35.383	1.40	46.3035	9.2	*	2.543	+8.633	1.30	46.3047	9.6
...	7.175	-25.881	0.70	47.2724	10.2	*	1.879	+15.027	1.10	46.3036	9.8	...	2.556	-16.479	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
931-990																	
93 ¹	+ 2·604	- 12·958	- 5	M m	...	99 ¹	+ 6·665	- 17·126	0·90	47.2754	10·1	105 ¹	+ 10·207	- 45·367	1·05	47.2763	9·8
...	+ 2·707	- 14·284	- 5	M m	...	*	6·687	- 27·290	1·20	47.2755	9·6	...	10·219	+ 29·140	- 5	...	...
*	+ 2·744	- 26·872	1·40	47.2746	9·6	...	6·837	+ 45·773	- 5	m	...	...	10·458	- 1·166	- 5	...	...
...	+ 2·753	- 2·335	1·00	46.3048	10·2	...	6·853	+ 59·631	- 5	...	...	...	10·516	- 27·693	- 4	...	...
...	+ 2·753	- 52·240	0·95	47.2747	10·2	...	6·935	+ 19·108	1·00	46.3062	10·1	...	10·526	+ 28·770	1·00	46.3078	10·0
...	+ 2·851	- 37·786	- 4	...	...	*	6·991	+ 42·166	1·15	46.3061	9·6	*	+ 10·543	- 1·413	2·00	46.3079	9·1
...	+ 2·883	+ 30·050	- 5	...	...	...	6·996	+ 11·456	- 4	...	...	*	10·562	+ 27·980	1·15	46.3077	9·8
...	+ 2·959	- 1·718	- 5	M	...	...	7·124	+ 33·994	0·90	46.3063	10·1	*	10·588	+ 5·007	1·00	46.3080	10·0
...	+ 2·961	- 27·757	- 5	M m	...	...	7·201	+ 8·033	0·90	46.3064	10·2	†	10·661	+ 29·820	0·70	...	...
...	+ 3·028	+ 8·272	- 5	M	...	...	7·374	- 43·221	- 4	...	...	...	10·671	- 0·634	- 3	...	...
94 ¹	+ 3·070	- 24·495	3·00	47.2748	8·3	100 ¹	+ 7·422	- 35·617	- 4	M	...	...	+ 10·690	+ 6·705	0·80	46.3081	10·2
...	+ 3·117	+ 26·614	- 2	...	...	*	7·444	- 38·865	1·40	47.2756	9·5	...	10·711	+ 2·321	- 5	...	...
†	+ 3·152	- 29·928	- 5	M	...	...	7·486	+ 23·277	- 4	...	...	...	10·739	+ 39·374	- 2	...	...
...	+ 3·271	- 19·461	- 3	...	...	n*	7·489	+ 30·807	1·00	46.3065	9·6	...	10·769	+ 34·953	0·90	...	...
...	+ 3·331	- 8·378	- 4	M	...	...	7·534	+ 34·557	- 5	...	...	...	10·819	- 46·334	0·90	...	...
...	+ 3·411	+ 52·236	- 4	...	...	...	7·565	- 4·732	1·00	46.3066	10·1	...	+ 10·858	- 14·832	1·00	47.2764	10·0
*	+ 3·419	+ 42·118	1·60	46.3049	9·6	...	7·576	+ 59·118	- 3	...	...	*	10·879	- 41·218	1·60	47.2767	9·4
*	+ 3·481	+ 52·137	1·20	46.3050	9·6	...	7·610	- 41·116	1·00	47.2757	10·2	...	10·935	+ 30·224	0·90	46.3082	10·2
...	+ 3·531	+ 32·339	- 5	...	...	n	7·634	+ 30·924	0·90	46.3065	9·6	...	11·033	+ 33·076	- 5	...	...
...	+ 3·633	+ 38·929	- 3	...	...	...	7·790	+ 22·733	- 5	M	...	S*	11·098	- 7·022	3·00	47.2765	8·0
95 ¹	+ 3·639	+ 58·479	0·65	...	...	101 ¹	+ 7·926	- 18·402	0·85	47.2758	10·2	...	+ 11·106	- 6·012	- 2	47.2766	10·2
...	+ 3·654	+ 14·957	- 5	...	...	...	8·040	- 40·798	- 5	M	...	...	11·116	+ 57·530	- 5	...	...
...	+ 3·663	+ 49·973	- 5	...	...	...	8·083	- 17·523	0·80	...	...	...	11·212	- 6·070	- 4	...	...
...	+ 3·753	+ 12·780	- 1	...	...	...	8·095	+ 41·863	- 4	...	...	...	11·244	- 12·181	0·70	...	...
†	+ 3·839	+ 4·888	0·65	46.3051	10·2	...	8·210	+ 45·924	- 4	...	...	...	11·301	- 52·198	- 5	...	...
...	+ 3·855	+ 53·609	- 5	...	...	*	8·300	+ 33·134	1·00	46.3067	9·8	...	+ 11·347	+ 18·433	- 5	...	...
...	+ 3·921	+ 36·431	1·00	46.3052	10·2	...	8·306	+ 34·244	- 5	...	...	*	11·358	- 57·241	1·10	47.2768	9·8
...	+ 3·953	+ 45·848	- 5	...	...	*	8·345	- 18·246	2·00	47.2759	9·0	...	11·362	+ 12·367	- 5	...	...
...	+ 3·971	- 9·276	- 4	...	...	...	8·477	+ 22·923	0·70	...	...	...	11·430	- 16·598	- 5	m	...
...	+ 4·012	+ 45·142	0·65	...	...	...	8·485	+ 11·861	0·80	...	...	*	11·592	+ 54·229	1·20	46.3083	9·4
96 ¹	+ 4·089	+ 13·847	- 5	M	...	102 ¹	+ 8·535	- 26·289	0·90	47.2760	10·2	...	+ 11·646	- 27·960	- 5	...	...
...	+ 4·225	+ 47·692	0·70	...	...	*	8·540	+ 32·425	1·00	46.3068	9·8	*	11·695	+ 1·856	1·10	46.3084	9·6
*	+ 4·258	- 22·535	1·00	47.2749	9·8	...	8·687	+ 21·208	- 4	...	...	†	11·698	- 44·989	- 5	...	...
*	+ 4·325	+ 57·712	1·70	45.3089	9·6	...	8·742	+ 25·043	- 4	...	...	...	11·732	+ 31·075	0·95	...	...
...	+ 4·385	- 33·447	- 5	M m	...	...	8·770	+ 23·313	0·70	...	...	...	11·808	+ 10·654	- 5	...	...
...	+ 4·423	- 9·018	- 4	M m	...	...	+ 8·810	+ 44·956	1·00	46.3069	10·1	...	+ 11·831	- 12·596	- 5	...	...
*	+ 4·498	- 23·558	3·00	47.2750	8·1	...	8·837	+ 38·639	- 2	...	...	...	11·853	+ 40·208	- 4	...	...
...	+ 4·804	- 1·372	- 5	M m	...	...	8·913	- 40·163	- 5	M	...	...	11·864	- 5·993	- 4	...	...
†	+ 4·975	+ 53·572	1·00	46.3053	10·0	...	9·017	+ 38·828	- 5	...	...	...	12·051	+ 33·832	0·80	...	...
†	+ 4·986	- 45·730	- 3	...	...	†	9·073	+ 49·850	- 2	46.3070	10·2	...	12·088	- 15·376	1·00	47.2769	10·2
97 ¹	+ 5·074	- 21·958	- 3	...	...	*	+ 9·104	+ 13·548	2·00	46.3072	9·3	...	+ 12·183	+ 24·290	- 4	...	...
*	+ 5·142	- 34·077	1·00	47.2751	9·8	...	9·134	+ 31·443	- 5	...	...	S*	12·183	- 48·178	2·00	47.2770	8·8
...	+ 5·150	- 6·135	- 4	M	...	N	9·154	+ 29·449	0·70	...	...	...	12·193	+ 0·920	- 2	46.3086	10·2
*	+ 5·164	+ 4·626	2·00	46.3054	9·0	...	9·188	+ 31·656	- 3	...	...	...	12·195	+ 29·246	0·80	46.3085	10·2
...	+ 5·296	+ 12·948	- 5	M	...	*	9·287	+ 49·115	3·00	46.3071	8·6	*	12·292	- 0·206	1·00	46.3089	9·8
...	+ 5·477	- 4·471	1·00	46.3057	10·2	...	+ 9·319	+ 35·339	- 4	...	...	*	+ 12·298	- 58·239	2·20	47.2771	8·8
...	+ 5·480	+ 7·513	1·00	46.3056	10·0	...	9·348	- 6·240	- 4	...	...	...	12·322	+ 31·895	- 4	...	...
...	+ 5·663	+ 44·280	1·00	46.3055	10·0	...	9·468	+ 30·038	- 5	...	...	...	12·337	- 51·837	- 5	...	...
...	+ 5·679	+ 41·800	- 3	...	...	...	9·500	+ 31·540	- 2	...	...	...	12·383	- 7·449	- 3	...	...
+	+ 5·694	- 20·016	1·10	47.2752	9·6	*	9·559	+ 34·736	1·00	46.3073	9·6	...	12·392	- 17·143	- 4	...	...
98 ¹	+ 5·719	- 43·430	1·05	47.2753	9·6	...	+ 9·592	+ 36·455	- 3	...	...	...	+ 12·394	- 50·234	1·00	47.2772	10·2
...	+ 5·766	+ 16·641	0·70	46.3058	10·2	...	9·612	+ 47·936	- 4	...	...	...	12·412	- 16·685	0·70	...	...
...	+ 5·896	+ 21·030	- 5	M	...	...	9·714	+ 11·514	0·70	...	...	...	12·424	- 3·279	- 5	...	...
...	+ 6·021	+ 28·506	0·70	...	...	...	9·775	+ 12·342	0·70	46.3075	10·2	*	12·471	+ 59·008	2·00	45·3109	9·1
...	+ 6·222	+ 14·360	0·90	46.3059	10·2	...	9·784	- 19·623	- 4	...	...	...	12·499	+ 1·471	1·00	46·3090	9·8
...	+ 6·333	+ 46·937	- 5	...	...	†	+ 9·869	+ 40·102	0·90	46.3074	10·2	...	+ 12·521	- 2·625	- 4	...	...
...	+ 6·336	+ 59·040	- 1	45·3094	10·2	†	10·022	- 41·305	0·90	47·2762	10·0	...	12·525	- 13·072	- 2	...	...
...	+ 6·462	- 28·000	0·80	...	...	†	10·024	- 0·384	- 4	...	...	*	12·534	- 24·321	1·00	47·2773	9·8
*	+ 6·494	+ 8·797	1·80	46.3060	9·6	...	10·148	- 34·819	1·00	47·2761	10·2	...	12·712	+ 51·567	1·00	46·3087	10·2
...	+ 6·620	+ 35·371	- 4	...	...	...	10·169	- 0·965	0·70	46.3076	10·2	*	12·730	+ 43·728	1·00	46·3088	9·6

1004, 1009. C.P.D., mass.

1033. Mass. 46°·54, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1111-1170																	
1111	+12.770	+19.828	1.00	46.3091	10.0	*	+15.857	-18.827	2.00	47.2784	9.2	1231	+20.556	-1.664	0.70	46.3117	10.2
†	12.791	+24.662	-5	...	...	...	15.957	-31.992	-1	...	...	...	20.600	-24.251	-2	...	...
...	12.852	-28.859	1.00	47.2774	9.8	*	15.982	-20.757	1.50	47.2786	9.2	...	20.620	+26.798	-3	...	...
...	12.868	+43.535	-2	...	...	...	15.994	+0.653	-5	...	...	...	20.736	+41.800	-5	...	...
...	12.873	+44.496	-3	...	...	*	16.037	-38.584	1.15	47.2788	9.8	...	20.973	+21.274	-5	...	...
...	+13.017	+22.211	-5	...	...	*	+16.184	-41.321	2.00	47.2789	9.1	...	+20.982	+20.255	-3	...	...
...	13.033	+15.309	0.70	...	...	...	16.253	+22.973	-5	...	...	...	21.012	+46.337	-5	...	...
...	13.040	+0.548	-5	...	...	†	16.277	+4.891	-5	...	...	...	21.124	-47.604	-5	...	...
*	13.041	-37.075	2.00	47.2775	9.4	*	16.287	-15.717	2.00	47.2787	8.9	...	21.274	-41.554	0.80	47.2802	10.2
...	13.119	-31.909	-5	m	...	...	16.420	-48.835	-1	...	...	*	21.280	+47.297	1.20	46.3116	9.6
1121	* +13.208	+55.446	1.10	45.3111	9.8	...	+16.538	+36.152	-3	...	...	1241	+21.300	-11.435	1.35	47.2800	9.6
...	13.252	+16.952	0.90	...	...	...	16.647	+12.448	-3	...	...	...	21.346	-38.904	-1	...	...
...	13.297	+18.413	-5	...	...	...	16.770	-16.776	-5	...	...	...	21.386	+4.019	-4	...	...
*	13.372	+31.433	2.00	46.3093	9.2	...	16.774	+46.257	-5	...	...	*	21.497	-25.226	2.40	47.2801	8.5
...	13.404	+32.128	0.80	...	...	...	16.819	-35.350	-4	...	...	...	21.581	-32.436	-4	...	...
...	+13.411	+27.653	0.80	...	...	...	+16.984	+29.497	-5	...	...	...	+21.741	-34.854	-3	47.2803	10.2
...	13.422	+49.547	-2	46.3092	10.2	...	17.047	-2.125	-3	...	...	*	21.843	+27.697	1.20	46.3118	9.8
...	13.474	-41.702	-4	...	...	...	17.213	-20.999	-2	...	...	...	21.882	+11.632	-5	...	...
...	13.501	+53.634	-4	...	...	*	17.247	-8.894	2.60	47.2790	8.6	...	22.014	+39.208	-2	...	...
...	13.582	-50.446	-5	...	...	...	17.324	-35.557	0.80	...	...	...	22.095	-43.314	0.80	47.2805	10.2
1131	* +13.786	-49.279	1.00	47.2777	10.1	...	+17.329	+22.950	-5	...	...	1251	+22.168	+43.532	-5	...	...
...	13.787	-34.897	-4	...	...	...	17.349	+46.762	1.00	46.3104	10.0	...	22.296	-12.873	-5	...	...
...	13.812	-3.627	1.00	46.3095	10.0	...	17.429	+39.946	0.90	46.3105	10.1	...	22.297	-18.107	-3	...	...
...	13.831	+22.568	-4	...	...	...	17.503	+38.743	-5	...	...	*	22.298	+26.208	1.20	46.3121	9.8
...	13.881	-24.637	-1	...	...	...	17.712	+25.504	1.05	46.3107	10.1	*	22.317	+52.511	1.20	46.3119	9.6
...	+13.886	-13.990	0.95	47.2776	10.2	...	+17.767	-9.480	-2	47.2791	10.2	*	+22.398	+28.147	1.20	46.3122	9.6
...	13.911	+32.585	0.95	46.3094	10.1	...	17.768	+51.768	-3	46.3106	10.2	...	22.414	+27.985	-5	...	...
...	13.928	+55.487	-4	...	...	...	17.770	+53.830	-2	...	...	S *	22.508	+50.635	6.00	46.3120	5.3
...	13.973	+10.150	-5	...	...	...	17.888	-0.390	0.80	46.3108	10.2	*	22.537	-24.092	1.05	47.2806	9.8
...	14.042	+5.866	0.85	46.3096	10.2	...	18.159	+45.125	-4	...	...	...	22.581	+10.287	-5	...	...
1141	* +14.102	+8.251	1.00	46.3097	9.8	...	+18.204	-52.531	0.70	...	...	1261	+22.619	-4.585	-4	...	...
...	14.243	-1.450	0.95	46.3099	10.1	...	18.208	-50.599	0.75	47.2792	10.2	*	22.799	+17.008	1.30	46.3123	9.8
...	14.325	-28.203	-3	...	...	...	18.372	-50.395	0.70	47.2793	10.2	...	22.800	-48.200	-2	...	...
...	14.341	+10.773	-5	...	...	...	18.427	+20.301	0.65	...	...	*	23.302	-2.782	2.00	46.3125	9.2
...	14.404	+16.566	-5	...	...	...	18.499	-25.643	-4	...	...	...	23.319	-2.986	-4	...	...
*	+14.408	-25.268	1.60	47.2778	9.3	...	+18.520	+30.611	-2	46.3110	10.2	*	+23.339	+29.959	1.50	46.3124	9.2
...	14.417	+36.860	-4	...	...	...	18.562	+21.931	-5	...	...	...	23.618	+0.295	-5	...	...
...	14.569	+29.364	-4	...	...	...	18.654	+3.979	-3	...	...	...	23.643	+32.819	-4	...	...
*	14.592	+49.421	2.00	46.3098	9.4	...	18.714	-13.022	-5	...	...	...	23.922	-54.401	-1	...	...
...	14.714	+1.531	-3	...	...	...	18.851	+51.043	1.00	46.3109	9.8	...	24.048	-18.501	0.95	47.2807	10.1
1151	* +14.822	+8.713	-4	...	...	...	+18.868	+30.791	1.00	46.3111	10.1	*	+24.085	+53.109	1.30	46.3126	9.4
...	14.822	-11.816	1.00	47.2779	9.8	...	18.992	-29.223	0.85	47.2794	10.1	...	24.091	-5.618	0.90	47.2808	10.1
...	14.845	+22.955	-5	...	...	*	19.037	-50.187	1.10	47.2795	9.8	...	24.200	-47.950	0.70	47.2810	10.2
...	14.945	-10.850	-1	47.2780	10.2	...	19.329	+55.473	0.65	45.3134	10.2	...	24.244	+58.628	-4	45.3153	10.2
...	14.994	-17.032	1.00	47.2781	10.0	*	19.465	+49.035	1.40	46.3112	9.6	...	24.272	-30.342	-5	...	...
...	+15.015	-22.258	-5	...	...	*	+19.493	+23.989	1.10	46.3114	10.0	*	+24.279	-14.580	1.25	47.2809	9.6
...	15.046	-46.937	-5	...	...	...	19.565	+44.412	-2	...	...	*	24.384	+44.191	1.35	46.3127	9.4
*	15.082	-33.057	1.80	47.2782	9.2	*	19.613	+53.185	1.80	46.3113	9.2	...	24.470	-44.752	-5	...	...
...	15.095	+3.376	0.70	...	...	...	19.625	-20.073	-5	...	...	*	24.509	-44.158	1.20	47.2811	9.8
...	15.136	+13.542	-5	...	...	...	19.633	+8.283	-4	...	...	...	24.549	-27.849	-5	...	...
1161	* +15.147	-42.143	-1	...	...	...	+19.662	+17.130	-5	...	...	1281	+24.932	-0.899	-5	...	...
...	15.187	+55.104	-2	45.3117	10.2	†	19.875	-34.176	-1	47.2796	10.2	...	25.104	-54.840	-4	...	...
...	15.217	+16.573	1.10	46.3101	10.0	...	19.995	-12.353	0.95	47.2797	10.0	...	25.442	+35.916	-5	...	...
*	15.278	+4.064	1.10	46.3102	9.8	...	20.005	-1.040	0.65	...	...	...	25.460	+32.757	-5	...	...
...	15.377	+44.671	0.65	46.3100	10.2	...	20.027	-1.476	-4	...	...	...	25.670	+17.591	-5	...	...
...	+15.404	-16.662	0.85	47.2783	10.0	...	+20.116	-4.287	0.70	46.3115	10.2	...	+25.679	-1.595	-4	...	...
...	15.551	-22.201	-4	...	...	...	20.198	-6.214	1.00	47.2798	10.1	...	25.745	+35.424	-5	...	...
*	15.553	-59.672	1.40	47.2785	9.5	...	20.336	-16.493	-5	...	...	...	25.827	-35.762	0.70	47.2813	10.1
*	15.628	+4.592	1.10	46.3103	10.0	*	20.424	-9.346	1.20	47.2799	9.8	...	25.878	-39.315	-3	...	...
...	15.786	-17.631	-4	...	...	...	20.461	-33.012	-3	...	...	...	25.999	+38.057	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
1291-1350																	
1291	+26·015	+ 1·574	0·95	46·3129	10·2	1351	+30·210	+59·516	-5	°	...	1411	+34·864	-48·148	-5	°	...
...	26·121	+17·291	-4	...	...	...	30·266	+13·797	-5	...	...	...	34·915	-48·501	-2	47·2839	10·2
...	26·151	-48·313	-5	...	...	...	30·283	-21·170	0·90	47·2822	10·2	...	34·954	-20·583	0·65	...	...
...	26·250	-14·149	-5	...	...	...	30·465	+53·917	-1	46·3142	10·1	...	35·025	+18·133	0·65	...	...
*	26·297	-13·405	1·20	47·2814	9·6	*	30·483	+14·379	1·40	46·3144	9·4	...	35·088	-13·990	-5	m	...
*	+26·309	-30·532	2·40	47·2815	8·4	*	+30·502	-48·208	1·00	47·2823	9·8	*	+35·095	+9·452	1·40	46·3153	9·6
...	26·355	+51·105	-1	46·3128	10·2	...	30·677	+34·516	1·00	46·3143	10·2	*	35·138	+23·105	1·20	46·3151	9·8
...	26·428	-37·296	-1	...	...	...	30·713	+3·796	-1	...	...	...	35·228	-24·316	-5	...	...
...	26·521	+52·436	0·70	46·3130	10·2	...	30·857	-24·643	-2	...	...	...	35·283	-41·074	-4	...	...
...	26·755	+38·870	-5	m	...	*	30·874	+17·678	1·15	46·3145	9·6	...	35·294	-19·785	0·65	...	...
1351-1410																	
1301	*+26·804	-24·599	1·05	47·2816	10·0	1361	+31·009	-22·293	-4	...	...	...	+35·458	-19·955	1·10	47·2840	9·6
...	26·873	+11·483	-1	...	...	*	31·020	-18·280	1·60	47·2824	9·4	...	35·464	+42·191	1·00	46·3152	9·8
...	26·930	+32·947	-3	...	...	...	31·229	-53·166	-5	...	...	...	35·498	+24·124	0·75	...	...
S*	26·954	-29·574	2·00	47·2817	8·8	...	31·396	+31·926	-2	...	...	...	35·680	-3·165	0·90	46·3155	10·2
...	27·137	-10·143	-1	...	...	*	31·437	-39·422	1·10	47·2826	9·8	S*	35·718	+8·013	2·00	46·3154	9·2
...	+27·142	+35·218	-4	...	...	...	+31·493	-15·128	-4	...	...	...	+35·728	-27·292	-5	m	...
...	27·155	+44·453	-3	...	...	...	31·697	-45·568	-3	...	...	...	35·771	-13·900	-4	...	...
*	27·157	+2·112	1·20	46·3131	9·8	...	31·720	+48·853	-5	...	...	...	35·855	-0·314	1·00	46·3156	10·1
...	27·189	-55·974	0·70	47·2818	10·2	...	31·726	-29·379	0·95	47·2827	10·2	*	35·911	-5·768	1·10	47·2841	9·6
...	27·448	-23·383	-5	...	...	...	31·774	-10·220	0·90	47·2825	10·2	*	36·025	-11·771	1·10	47·2842	9·6
1411-1470																	
1311	*+27·495	+26·111	1·00	46·3132	10·1	1371	+31·820	+4·493	0·75	...	...	...	+36·098	+48·749	-3	...	...
...	27·734	-46·039	0·70	47·2819	10·2	...	31·851	-11·683	-5	...	...	...	36·162	-44·334	-3	...	...
...	27·812	-36·778	-1	...	...	...	31·866	+19·508	0·90	46·3146	10·2	...	36·197	+48·508	-3	...	...
...	27·876	-23·141	-5	...	...	...	31·909	-12·998	0·85	47·2828	10·0	...	36·241	+7·819	-4	...	...
*	27·990	-52·281	1·40	47·2820	9·2	...	31·935	-12·940	-4	...	...	...	36·320	+17·455	0·80	...	...
n†	+28·215	-5·011	0·70	46·3135	10·1	...	+32·125	-21·964	-5	...	...	...	+36·513	-13·986	-1	...	...
...	28·264	+9·671	-3	...	...	...	32·236	-31·626	-4	...	...	...	36·531	-28·180	-5	...	...
...	28·383	+23·731	-2	...	...	*	32·321	+36·583	1·00	46·3147	10·1	...	36·558	+0·607	-5	...	...
n	28·417	-4·927	0·70	46·3135	10·1	...	32·387	-35·556	-5	m	...	...	36·641	-35·788	-3	...	...
...	28·446	+19·052	0·70	46·3133	10·2	*	32·390	+49·910	2·00	46·3148	8·8	...	36·932	+1·734	0·70	...	...
1321	*+28·505	+ 5·917	1·35	46·3136	9·6	1381	+32·420	+ 1·523	0·65	...	...	*	+37·037	-57·442	1·30	47·2845	9·5
...	28·505	-9·784	-5	...	...	...	32·440	-46·716	-1	47·2831	10·2	...	37·138	-10·202	0·75	...	...
...	28·506	+26·640	-4	...	...	...	32·490	-36·332	-4	...	...	...	37·147	-7·422	0·90	47·2843	10·2
...	28·625	+19·995	-1	...	...	...	32·619	-17·350	0·90	47·2829	10·2	...	37·327	-3·475	0·90	46·3158	10·2
...	28·636	+32·270	-4	...	...	...	32·621	-29·266	-3	...	...	...	37·377	+30·455	-2	...	...
...	+28·663	+36·163	-1	46·3134	10·2	*	+32·653	-17·679	-2	...	...	...	+37·420	+57·273	-4	...	...
...	28·772	+17·003	0·70	46·3139	10·1	*	32·712	+45·795	3·00	46·3149	8·2	*	37·438	-29·938	1·00	47·2846	9·8
*	28·889	-47·039	1·10	47·2821	9·8	...	32·807	+34·192	-5	...	...	...	37·535	-18·432	1·00	47·2844	9·8
...	28·921	+40·437	0·85	46·3137	10·1	*	32·848	-11·924	2·60	47·2830	8·7	...	37·761	+59·019	-1	45·3194	10·2
...	29·003	+31·045	-3	...	...	...	32·883	-22·959	-4	...	...	...	37·781	+20·988	0·95	46·3159	10·1
1331	+29·045	+39·793	1·40	46·3138	9·2	1391	+32·890	-19·388	-4	...	...	...	+37·781	-16·779	-2	...	...
...	29·103	+15·040	-5	...	...	...	33·011	-47·178	-1	47·2832	10·2	*	38·069	+48·549	1·30	46·3157	9·6
...	29·260	-16·865	-5	...	...	...	33·121	-4·447	-4	...	...	...	38·293	+39·386	-5	...	...
...	29·301	+37·531	-5	...	...	...	33·455	+25·265	-5	...	...	...	38·304	+3·090	-4	...	...
...	29·323	-48·519	-5	m	...	...	33·512	-19·076	-5	...	...	...	38·477	+9·023	0·80	...	...
...	+29·480	-47·075	-5	...	...	*	+33·653	-55·507	1·60	47·2834	9·6	...	+38·589	-28·748	-5	m	...
...	29·656	+28·646	-4	...	...	...	33·756	-3·507	-5	m	...	...	38·611	-13·424	-5	m	...
...	29·657	-29·788	-2	...	...	*	33·784	-10·753	1·00	47·2833	10·0	...	38·659	-28·747	-1	47·2847	10·2
...	29·762	+36·255	-4	...	...	...	33·849	-2·704	-5	m	...	*	38·735	+14·929	0·65	...	...
...	29·774	-7·916	-4	...	...	*	34·011	+26·711	1·00	46·3150	9·8	...	38·816	-20·489	-5	...	...
1341	+29·812	-32·620	-5	...	...	...	+34·072	-23·309	-4	...	...	...	+38·936	+27·913	0·65	...	...
†	29·921	-10·319	-5	...	...	...	34·225	-16·209	0·95	47·2835	10·2	...	38·969	+51·768	-5	...	...
...	29·958	-2·241	-4	...	...	...	34·266	+32·136	-4	...	...	...	38·974	+38·494	1·00	46·3160	10·0
...	29·969	+52·846	0·95	46·3140	10·2	...	34·289	-28·054	-4	...	...	...	39·182	-22·230	-4	...	...
...	30·024	+47·695	-4	...	...	...	34·292	+6·940	-5	m	...	...	39·182	-55·122	1·00	47·2848	10·1
...	+30·043	+9·634	-1	...	...	...	+34·426	-29·727	-5	...	...	...	+39·195	+18·375	-4	...	...
...	30·119	-3·836	-1	...	...	*	34·553	-31·071	1·40	47·2836	9·6	...	39·342	+57·057	-1	45·3197	10·2
*	30·121	+39·247	1·00	46·3141	10·0	...	34·572	-48·576	-1	47·2837	10·2	...	39·478	-13·160	-4	...	...
...	30·198	+6·555	-4	...	...	...	34·669	-44·529	-4	...	...	...	39·602	+49·089	-2	...	...
...	30·206	-32·775	-5	...	...	+	34·786	-42·802	1·00	47·2838	9·8	*	39·680	+45·261	1·30	46·3161	9·6

1316, 1319. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1471-1530																	
1471	+39.725	-14.533	-4	o	...	1531	+45.219	+46.210	-3	o	...	1591	+51.317	-28.562	-1	47.2874	10.2
*	39.727	-28.859	1.00	47.2849	10.0	*	45.315	-2.744	1.20	46.3177	9.8	*	51.351	+29.223	1.10	46.3191	9.8
†	39.779	-11.621	-5	...	...	*	45.368	-23.606	1.60	47.2861	9.5	...	51.494	+53.760	-1	46.3189	10.2
†	39.807	-1.625	0.95	46.3162	10.1	*	45.389	-1.286	4.00	46.3178	7.6	...	51.581	-20.821	-1	...	...
†	39.815	-25.284	-5	...	...	*	45.562	-13.428	0.65	47.2862	10.2	...	51.600	-3.152	-5	...	...
†	+39.858	+25.147	-3	...	...	*	+45.629	-31.367	0.65	...	...	...	+51.654	-12.156	0.70	47.2875	10.2
...	40.076	-1.695	-5	...	...	*	45.744	-52.118	-1	47.2864	10.1	...	51.735	+43.717	-1	46.3193	10.2
...	40.147	+25.966	-3	...	...	*	45.835	-32.771	-1	...	...	...	51.893	-30.965	-5	...	...
...	40.175	-6.211	0.90	47.2850	10.2	*	45.884	-41.949	-5	...	...	...	51.963	-38.465	0.70	47.2877	10.2
*	40.211	+13.216	1.00	46.3163	9.8	*	45.885	+24.103	-5	...	...	...	52.102	-7.405	-4	...	...
1481	+40.273	-46.544	-3	...	...	1541	+46.137	-17.809	-5	...	...	1601	+52.238	-8.803	2.40	47.2876	8.7
...	40.489	+18.871	0.80	46.3165	10.2	*	46.149	+48.230	1.30	46.3176	9.6	...	52.297	-30.342	-4	...	...
*	40.591	+0.134	1.00	46.3166	9.8	*	46.215	+7.749	1.20	46.3180	9.6	...	52.308	-14.460	-5	...	...
*	40.613	+31.628	1.00	46.3164	9.8	*	46.220	+0.571	-5	...	...	...	52.422	+46.351	1.05	46.3195	9.8
...	41.119	-59.719	-1	47.2853	10.2	*	46.220	-12.382	-2	...	...	...	52.426	+14.366	-5	...	...
...	+41.224	-34.311	-1	...	...	*	+46.439	-15.922	-5	...	...	...	+52.533	-43.063	-5	...	...
...	41.264	+0.888	-1	...	...	*	46.481	+1.233	-2	...	...	...	52.568	-18.583	0.70	47.2879	10.2
†	41.450	+44.885	-4	...	...	*	46.542	-17.489	1.00	47.2865	10.2	*	52.622	-14.108	1.15	47.2878	9.8
...	41.453	-18.734	-5	...	...	*	46.723	+45.583	1.40	46.3179	9.4	...	53.017	+3.289	1.00	46.3197	10.2
*	41.461	-13.983	1.00	47.2851	9.8	*	46.759	-10.474	-4	...	...	...	53.038	+31.992	1.00	46.3196	10.0
1491	+41.490	-53.112	-4	...	...	1551	+46.839	+18.722	1.50	46.3181	9.6	1611	+53.276	-45.412	-1	47.2883	10.2
...	41.627	+36.802	-4	...	...	*	46.853	+9.280	2.00	46.3182	9.2	*	53.281	-25.647	1.20	47.2882	10.0
...	41.644	-40.173	-1	...	...	*	47.061	+21.040	-5	...	...	...	53.481	+18.844	0.90	46.3198	10.2
...	41.782	+33.448	-1	...	...	*	47.079	+13.475	-5	...	...	...	53.786	-13.892	-5	...	...
...	41.808	-58.713	-5	...	...	*	47.088	-15.320	1.20	47.2866	9.8	...	53.858	-32.001	0.70	47.2884	10.2
...	+41.839	+19.350	-3	...	...	*	+47.214	-41.778	-5	...	...	...	+53.962	+18.754	1.50	46.3199	9.8
...	41.868	-16.367	1.00	47.2854	10.1	*	47.318	-5.256	-5	...	...	...	54.249	-19.244	-5	...	...
...	42.008	-47.913	-4	...	...	*	47.349	+25.762	-5	...	...	...	54.485	-34.616	-5	...	...
...	42.271	-3.596	0.90	46.3167	10.2	*	47.607	-12.531	-4	...	...	...	54.523	-3.261	-5	e	...
...	42.281	+22.326	-3	...	...	*	47.670	+18.760	0.70	...	...	...	54.524	-27.134	-3	...	...
1501	+42.300	-7.693	-2	...	...	1561	+47.680	-49.891	-5	...	...	1621	+54.621	-11.098	-5	...	...
...	42.396	-52.971	-4	...	...	*	47.820	-32.835	-4	...	...	*	54.844	+16.528	-5	...	...
...	42.480	-6.980	-5	...	...	*	47.825	-18.970	1.00	47.2868	10.0	...	54.996	-26.397	-5	...	...
...	42.855	+58.754	1.00	45.3208	10.0	*	47.864	-23.546	1.10	47.2869	9.8	*	55.034	+44.002	1.40	46.3201	9.6
...	42.975	+13.865	1.00	46.3169	10.2	*	47.903	+30.858	-5	...	...	*	55.037	+52.379	2.10	46.3200	9.0
...	+42.977	-4.375	0.70	46.3170	10.2	*	+47.953	-45.255	1.10	47.2870	9.8	...	+55.151	-0.832	-2	...	...
*	43.119	-12.132	1.00	47.2855	9.8	*	47.965	+31.926	-4	...	...	...	55.236	-47.496	-5	...	...
...	43.327	-27.545	0.90	47.2856	10.2	*	47.973	-6.814	-5	...	...	...	55.434	+1.232	-5	...	...
...	43.398	-41.501	-1	...	...	*	48.008	+26.587	-5	...	...	...	55.454	-4.743	-4	...	...
*	43.617	+53.158	1.20	46.3168	9.8	*	48.419	+19.584	-4	...	...	...	55.519	+25.186	-4	...	...
1511	+43.623	-12.026	-5	...	...	1571	+48.420	+53.948	-5	...	...	1631	+55.528	+7.267	-3	...	...
†	43.661	-44.877	-2	...	...	*	48.426	+54.136	1.20	46.3183	9.6	...	55.970	+6.574	1.00	46.3205	10.0
*	43.697	-59.163	5.00	47.2858	6.6	*	48.831	+47.417	-5	...	...	S *	55.990	-8.898	5.00	47.2886	.6.4
*	43.716	+21.382	2.00	46.3171	9.0	*	48.985	-32.837	-5	...	...	*	56.014	+18.859	1.40	46.3203	9.6
*	43.883	-2.985	1.00	46.3173	9.8	*	49.094	+1.184	0.65	...	...	*	56.023	-15.428	-2	...	...
...	+43.906	-8.946	-5	m	...	*	+49.110	-24.214	-5	...	...	*	+56.355	-4.253	-5	e	...
...	43.959	-22.577	-5	...	...	*	49.221	+7.313	2.10	46.3184	9.0	...	56.399	+51.737	-3	46.3202	10.2
*	43.962	-11.959	2.00	47.2857	9.2	*	49.891	-50.895	1.40	47.2872	9.6	*	56.468	+32.411	1.80	46.3204	9.4
...	44.182	-36.300	-4	...	...	*	49.912	-4.570	1.10	46.3186	9.8	...	56.603	+21.496	1.00	46.3207	10.0
...	44.192	-8.656	-4	...	...	*	50.005	-17.042	-5	...	...	*	56.640	-57.192	-5	...	...
1521	+44.230	+2.253	0.70	...	...	1581	+50.314	+9.021	1.10	46.3187	9.8	1641	+56.703	-23.554	-5	...	...
...	44.383	-21.274	-5	...	...	*	50.572	-9.589	1.10	47.2871	9.8	...	56.713	-25.898	-4	...	...
...	44.462	-27.598	0.90	47.2859	10.1	*	50.650	+41.854	0.70	46.3185	10.2	...	56.903	+34.682	0.65	46.3206	10.2
*	44.530	+22.951	1.00	46.3174	9.8	*	50.760	-6.016	1.25	47.2873	9.6	...	57.062	-25.937	0.65	47.2887	10.2
*	44.691	-31.110	1.00	47.2860	9.8	*	50.776	+32.237	-5	...	...	...	57.206	+11.081	-5	...	...
†	+44.777	+49.423	-2	46.3172	10.2	*	+50.782	+1.839	0.90	46.3190	10.1	*	+57.216	-47.352	-5	...	...
...	44.935	+10.944	-2	...	...	*	51.035	+11.191	0.80	46.3192	10.2	S *	57.325	+11.239	2.70	46.3209	8.5
...	45.008	+59.650	0.90	45.3210	9.8	*	51.067	-38.034	-5	...	...	*	57.376	+33.297	0.80	46.3208	10.2
*	45.162	+2.391	2.10	46.3175	8.9	*	51.075	+48.166	1.40	46.3188	9.4	...	57.491	-8.234	0.70	47.2889	10.2
...	45.199	-38.138	0.65	47.2863	10.2	*	51.206	-3.977	0.70	46.3194	10.2	*	57.711	-57.365	1.20	47.2891	9.8

- 47°

No. 53

CAPE ASTROGRAPHIC ZONE.

1898·03

8^h 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1651-1660																	
1651																	
...	+57°745	-5°249	-1	...	...		*	+59°055	-42°104	1°40	47.2894	9°6					
*	57°986	+19°019	1°40	46.3210	9°4		*	59°394	-50°360	2°10	47.2897	9°2					
...	58°024	-23°941	-5	...	...		...	59°434	-1°888	-5	...	...			
...	58°413	+17°530	0°70	46.3211	10°2		...	59°628	-23°537	0°95	47.2895	10°2					
...	58°438	-8°651	-5	...	...										
...	+58°498	-17°195	1°00	47.2890	10°0												
...	58°656	-56°977	-1	47.2893	10°0												
*	58°685	-40°810	1°40	47.2892	9°4												
*	58°689	+27°984	1°80	46.3212	9°3												
...	58°805	+58°080	-1	45.3229	10°2												

- 47°

No. 54

D,-4

1902·06

8^h 55^m

1-40					41-80					81-120							
I	-59°944	-3°874	-2	46.3167	10°2	41	-56°322	-20°446	-5	B	...	81	-52°350	+17°593	-5	...	...
†	59°928	-16°640	-1	47.2854	10°1	*	56°214	-23°773	1°30	47.2861	9°5	...	52°305	-32°883	-4	...	...
...	59°799	+13°612	-3	46.3169	10°2	*	56°081	+18°582	2°00	46.3181	9°6	...	52°287	+8°993	1°00	46.3187	9°8
...	59°781	-7°979	-5	...	...	...	55°892	-38°307	-4	47.2863	10°2	*	52°257	-4°600	1°00	46.3186	9°8
...	59°623	-7°260	-5	...	...	...	55°881	+1°096	-5	...	...	...	51°980	+43°708	-2	46.3193	10°2
*	-59°377	-40°463	-5	...	...	...	-55°800	+25°623	-5	...	...	*	-51°894	+29°217	1°05	46.3191	9°8
*	59°275	+21°139	2°00	46.3171	9°0	*	55°766	+9°149	2°00	46.3182	9°2	...	51°775	-17°070	-5	...	...
...	59°212	+59°437	-1	45.3210	9°8	...	55°706	-12°534	-5	...	...	...	51°643	+11°190	1°00	46.3192	10°2
...	59°206	-4°638	-5	46.3170	10°2	...	55°695	-31°521	-5	...	...	...	51°595	+1°831	-3	46.3190	10°1
...	59°128	-53°391	-5	...	...	...	55°642	+53°833	-5	...	...	*	51°440	-9°600	1°10	47.2871	9°8
II						51						91					
...	-59°127	+49°199	-5	46.3172	10°2	*	-55°632	+54°019	1°30	46.3183	9°6	*	-51°381	+46°371	1°10	46.3195	9°8
...	58°813	+5°886	-5	...	...	...	55°614	-17°948	-5	...	...	*	51°361	-6°019	1°30	47.2873	9°6
*	58°807	-12°361	1°10	47.2855	9°8	...	55°524	+16°279	-5	...	...	...	50°999	-3°972	-4	46.3194	10°2
...	58°589	+45°997	-5	...	...	...	55°450	-32°926	-5	...	...	...	50°862	-34°977	-5	...	...
*	58°537	+22°737	1°10	46.3174	9°8	...	55°386	+30°747	-5	...	...	*	50°809	-50°910	1°10	47.2872	9°6
*	-58°339	-3°219	1°10	46.3173	9°8	...	-55°379	+31°813	-5	...	...	...	-50°620	-3°130	-5	...	...
...	58°328	-12°250	-5	...	...	...	55°357	-16°068	-5	...	...	...	50°365	+14°396	-5	...	...
...	58°242	-53°221	-5	...	...	...	55°261	+18°644	-4	...	...	...	50°322	+32°024	-1	46.3196	10°0
...	58°174	+2°035	-5	...	...	...	55°227	-10°606	-5	...	...	...	50°284	-12°138	-4	47.2875	10°2
...	58°113	-27°773	-2	47.2856	10°2	...	55°227	-17°629	-3	47.2865	10°2	†	50°093	-28°526	-4	47.2874	10°2
21						61						101					
*	-57°980	-12°164	2°00	47.2857	9°2	...	-55°172	+26°469	-5	...	...	†	-50°089	-20°794	-5	...	...
...	57°856	-8°869	-5	...	...	†	54°903	-52°263	-4	47.2864	10°1	†	50°025	-38°010	-5	...	...
...	57°740	+10°734	-3	...	...	...	54°843	-5°369	-5	...	...	†	49°997	-7°371	-5	...	...
*	57°708	+48°047	1°30	46.3176	9°6	*	54°767	-15°446	1°00	47.2866	9°8	*	49°819	-8°756	2°60	47.2876	8°7
...	57°607	-41°729	-5	...	...	...	54°544	+19°496	-5	...	...	...	49°563	-14°412	-5	...	...
...	-57°253	-21°477	-5	...	...	...	-54°306	-12°623	-4	...	...	...	-49°457	+18°918	-5	46.3198	10°2
*	57°234	+2°200	2°00	46.3175	8°9	...	54°145	-6°907	-5	...	...	...	49°446	-30°922	-5	...	...
...	57°233	-45°087	-5	...	...	...	53°912	-19°060	1°00	47.2868	10°0	...	49°418	+3°354	-1	46.3197	10°2
...	57°200	+23°928	-5	...	...	...	53°786	-41°875	-5	...	...	...	49°364	+33°443	-5	...	...
*	57°050	+45°427	1°80	46.3179	9°4	*	53°707	-23°630	1°00	47.2869	9°8	*	49°255	-14°057	1°00	47.2878	9°8
31						71						III					
...	-56°986	-27°787	-2	47.2859	10°1	...	-53°462	-32°911	-4	...	...	...	-49°158	-18°525	-4	47.2879	10°2
...	56°975	-36°497	-5	...	...	*	53°344	+7°254	2°00	46.3184	9°0	...	49°120	-38°416	-5	47.2877	10°2
*	56°917	-2°926	1°00	46.3177	9°8	...	53°272	+1°125	-3	...	...	...	49°066	-30°290	-5	...	...
*	56°879	-1°464	4°00	46.3178	7°6	...	53°002	+41°804	-2	46.3185	10°2	*	48°964	+52°476	3°00	46.3200	9°0
*	56°720	-59°390	5°00	47.2858	6°6	...	52°921	-45°335	-1	47.2870	9°8	*	48°963	+18°840	1°10	46.3199	9°8
*	-56°640	-31°287	1°20	47.2860	9°8	...	-52°837	-33°572	-5	B	...	*	-48°699	+44°113	2°00	46.3201	9°6
...	56°512	+10°858	-5	A	...	*	52°771	+48°137	2°00	46.3188	9°4	...	48°422	-42°979	-5	...	...
*	56°354	+7°589	1°20	46.3180	9°6	...	52°565	+32°208	-5	...	...	...	48°230	-25°564	1°00	47.2882	10°0
...	56°336	+24°173	-5	...	...	...	52°546	+53°739	-4	46.3189	10°2	...	48°095	-13°811	-5	...	...
...	56°324	-13°599	-4	47.2862	10°2	...	52°441	-24°252	-5	...	...	...	48°006	+16°639	-4	...	...

L measured from 1, 293, 483, 628.

C " " 154, 397, 566, 718.

Images of faint stars very poor.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
121-180																	
121	-47.689	-3.150	-5	° E	...	181	* -41.941	-41.817	1.35	47.2894	9.6	241	-34.366	-18.069	-1	...	...
...	47.615	+25.308	-4	...	...	...	* 41.912	-6.954	1.80	47.2896	9.2	...	34.274	-49.337	0.65	47.2911	10.0
...	47.595	-45.301	-4	47.2883	10.2	...	41.859	-56.681	-3	47.2893	10.0	...	34.231	+36.380	-5	...	...
...	47.576	+51.878	-5	46.3202	10.2	...	41.640	+56.878	-5	...	...	...	34.176	+59.557	-1	45.3241	10.1
...	47.449	-31.889	-3	47.2884	10.2	...	41.517	+48.400	-5	...	...	...	34.168	+15.748	-5	...	...
...	-47.444	-19.119	-5	...	...	...	-41.345	+26.329	-2	46.3215	10.2	...	-34.129	+47.030	-4	46.3233	10.2
...	47.369	-10.989	-5	...	...	...	* 41.327	-50.066	1.60	47.2897	9.2	...	34.109	-2.096	-5	M	...
...	47.275	-3.512	-5	M	...	...	41.308	-12.272	-5	...	...	...	34.046	-12.073	-5	...	...
...	47.153	-0.705	-4	...	...	...	41.087	-45.253	-4	...	...	*	33.671	+41.376	1.40	46.3235	9.2
...	47.080	-57.650	-5	...	...	...	40.942	-37.826	-5	...	...	*	33.561	+25.088	1.00	46.3234	9.8
131	-47.034	+7.424	-4	...	...	191	-40.785	-42.975	-2	47.2898	10.2	251	-33.326	+11.700	-3	...	...
...	46.941	-26.998	-4	...	...	...	40.717	+22.222	-1	46.3216	10.2	n	33.325	+18.534	1.00	46.3236	10.0
...	46.926	+45.081	-5	...	...	...	40.703	-23.404	-4	...	...	...	33.277	-44.507	-4	...	...
...	46.926	+1.367	-5	...	...	...	40.703	-47.003	-2	47.2899	10.1	n	33.224	+18.255	-1	46.3236	10.0
*	46.914	+19.008	1.60	46.3203	9.6	...	40.608	-13.868	-5	...	...	...	33.179	-3.530	-5	M	...
*	-46.892	+32.567	2.00	46.3204	9.4	...	-40.535	+22.900	0.70	46.3218	10.2	*	-33.015	-13.695	2.90	47.2913	8.4
...	46.864	-25.381	-5	...	...	...	40.507	+8.128	-4	...	...	...	32.966	-3.065	-5	...	...
...	46.737	-34.480	-5	...	...	...	40.346	+0.089	1.00	46.3217	10.0	...	32.951	-1.046	-5	M	...
...	46.725	-4.606	-5	...	...	...	40.198	+27.429	1.35	46.3220	9.8	...	32.878	+7.851	0.80	46.3237	10.0
...	46.571	+6.736	1.00	46.3205	10.0	...	40.140	+5.677	0.70	46.3219	10.2	*	32.794	+21.862	1.30	46.3238	9.6
141	-46.525	+34.855	-2	46.3206	10.2	201	-39.818	-24.606	-5	...	...	...	-32.775	-7.145	-5	...	...
...	46.478	-26.260	-5	...	...	...	* 39.703	-18.923	1.40	47.2903	9.2	...	32.662	-28.620	0.80	47.2914	10.1
*	46.415	+21.653	1.00	46.3207	10.0	*	39.652	-31.396	1.00	47.2902	10.0	...	32.183	-14.218	-5	M	...
S*	46.033	-8.740	5.00	47.2886	6.4	...	39.611	+41.560	-5	...	...	...	32.075	-32.467	-5	...	...
...	46.020	+33.481	-1	46.3208	10.2	†	39.480	+10.049	-1	46.3221	10.2	...	31.977	+0.198	-4	...	...
...	-45.949	-18.792	-5	M	...	...	-39.191	+24.028	-5	...	...	*	-31.781	+33.736	1.00	46.3239	9.8
...	45.837	-4.088	-5	E	...	...	39.134	+12.656	-5	...	...	*	31.667	+35.770	1.25	46.3240	9.8
...	45.808	-15.268	-3	...	...	...	39.114	-4.390	-1	46.3222	10.2	...	31.655	+23.352	-5	...	...
...	45.807	-57.866	-5	...	...	...	38.803	+51.772	1.20	46.3225	9.6	...	31.574	-29.139	-1	47.2917	10.2
...	45.574	-47.357	-4	...	...	...	38.758	-13.828	1.40	47.2904	9.3	...	31.572	+11.083	-5	...	...
151	-45.484	+11.286	-5	...	...	211	-38.463	+32.650	0.70	46.3226	10.1	271	-31.513	-56.990	0.70	47.2915	10.0
...	45.411	+58.292	-4	45.3229	10.2	*	38.446	+1.263	1.40	46.3223	9.4	...	31.508	-47.050	0.90	47.2916	10.0
S*	45.350	+11.439	2.80	46.3209	8.5	...	38.431	+11.499	0.70	46.3224	10.2	*	31.490	-20.884	1.00	47.2919	9.8
†	44.958	+19.238	1.40	46.3210	9.4	...	38.227	-7.422	-2	...	...	...	31.427	+34.722	-3	46.3241	10.2
...	44.877	-23.369	-3	...	...	...	38.001	-21.696	-3	...	...	...	31.368	+6.340	-4	...	...
...	-44.803	-25.698	-4	...	...	...	-37.889	-6.492	-5	...	...	...	-31.367	+6.241	-5	...	...
...	44.583	-8.027	0.70	47.2889	10.2	...	37.682	-24.607	-4	...	...	...	31.333	-49.645	0.70	47.2918	10.0
*	44.547	+28.213	2.00	46.3212	9.3	...	37.556	-22.050	-5	...	...	*	31.268	+9.082	-5	...	...
...	44.492	+17.761	-1	46.3211	10.2	...	37.485	+2.955	-5	...	...	*	31.190	-8.535	1.30	47.2920	9.3
...	44.442	-25.726	0.70	47.2887	10.2	...	37.158	-3.678	1.00	46.3227	10.2	*	31.174	+29.343	3.00	46.3242	8.6
161	-44.425	-5.031	-2	...	...	221	-37.040	+34.220	0.90	46.3228	10.1	281	-31.142	-27.881	-5	...	...
...	43.914	+41.639	-4	...	...	*	36.916	+41.956	1.20	46.3229	9.8	*	31.077	+29.056	1.30	46.3244	9.5
...	43.863	-56.973	-5	...	...	...	36.866	-18.899	-4	...	...	...	31.063	-43.618	-5	...	...
...	43.625	-8.418	-5	...	...	...	36.631	+27.666	-1	46.3230	10.2	...	31.021	+4.030	-4	...	...
...	43.595	-47.138	-5	...	...	...	36.342	-49.586	-5	...	...	*	30.949	+5.388	1.00	46.3243	10.1
...	-43.534	-23.698	-5	...	...	*	-36.288	-17.164	1.40	47.2905	9.6	†	-30.770	+44.981	-5	...	...
...	43.521	-19.624	-5	M	...	...	35.982	-29.975	-4	...	...	...	30.668	-17.482	-5	...	...
S*	43.418	+52.780	2.65	46.3213	8.8	...	35.979	-16.185	-5	...	...	...	30.650	+24.393	-5	...	...
...	43.283	-16.947	1.00	47.2890	10.0	...	35.837	-13.912	0.75	47.2906	10.1	...	30.624	+51.046	-3	46.3245	10.2
...	42.829	-1.609	-5	...	...	...	35.745	+3.263	-5	...	...	...	30.468	-27.060	-5	...	...
171	*	-42.775	-57.119	1.20	47.2891	9.8	231	-35.291	-30.666	-5	...	...	-30.423	+40.361	-1	46.3246	10.2
...	42.751	+24.174	-5	...	...	*	35.276	-31.701	-4	...	...	...	30.285	-30.919	-1	47.2921	10.2
...	42.538	-37.376	-5	...	...	...	35.145	-30.113	0.65	47.2907	10.1	N*	30.051	-4.323	1.40	46.3247	9.8
*	42.362	-40.538	1.60	47.2892	9.4	*	34.938	-26.591	1.00	47.2908	9.8	†	29.998	-33.458	-5	...	...
...	42.263	+43.868	-5	...	...	...	34.791	+1.578	-5	...	...	+	29.947	+20.245	1.20	46.3248	9.6
...	-42.251	+35.811	-1	46.3214	10.2	*	-34.721	-46.568	1.20	47.2909	9.6	...	-29.893	-57.513	-5	...	...
...	42.159	+14.116	-4	...	...	*	34.712	-10.368	1.60	47.2910	8.6	...	29.787	+42.952	-5	...	...
...	42.126	+22.772	-5	...	...	*	34.689	-2.602	1.20	46.3231	9.6	...	29.750	-27.199	-4	...	...
†	41.980	+54.873	0.70	45.3232	9.8	*	34.385	-2.215	2.60	46.3232	8.9	†	29.581	+0.104	-1	46.3249	10.2
...	41.954	-23.240	1.00	47.2895	10.2	*	34.376	-12.813	2.20	47.2912	8.7	...	29.546	-13.064	0.95	47.2922	10.2

252, 254. C.P.D., mass.

293. Mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
301-360																			
301	-29·099	-2·131	0·65	o	...	361	-19·960	+28·228	-5	o	...	421	-10·089	-55·797	2·00	47·2956	9·2		
...	29·044	+38·243	-3	...	...	*	19·914	+5·309	1·10	46·3264	9·8	+	10·048	-0·170	-5	...	...
...	28·682	-1·007	0·65	...	...	...	19·901	+59·829	-5	...	...	S+	10·012	-49·158	2·40	47·2955	8·4
†	28·678	-49·831	-1	47·2923	10·0	...	19·795	+59·518	-5	...	...	+	9·887	-50·273	-5	...	...
*	28·659	-20·829	1·20	47·2924	9·6	...	19·557	+51·068	-2	...	...	+	9·526	+33·514	-5	...	...
...	-28·521	+25·962	-5	...	...	...	19·122	-12·610	-5	...	...	-	9·483	-25·174	-5	...	...
*	28·066	-57·471	1·90	47·2925	9·2	...	19·119	+59·095	-5	...	...	...	9·373	-0·395	-5	...	...
...	28·020	-25·534	-4	...	...	*	19·043	-32·922	2·90	47·2943	8·8	...	9·372	+23·911	-5	...	...
†	27·977	+40·046	-1	46·3250	10·2	...	19·030	-21·895	1·00	47·2944	10·0	...	9·190	-53·532	-4	...	...
...	27·976	+34·844	-5	...	...	*	19·028	+57·385	1·05	45·3265	10·0	...	8·872	-17·361	-5	M m	...
311	-27·741	-56·022	-3	...	...	371	-18·804	+50·121	-5	...	...	431	-8·813	+52·086	-5	...	...
...	27·715	-3·763	0·65	...	...	...	18·242	+11·592	-1	46·3265	10·1	...	8·738	-8·423	-1	...	...
...	27·425	-39·622	-3	47·2926	10·2	...	17·880	-18·785	-2	...	...	...	8·347	-27·692	-1	...	...
*	27·378	+6·361	1·10	46·3251	9·8	...	17·546	-6·239	-5	M	...	...	8·190	-20·825	-3	47·2957	10·2
*	27·109	+30·813	3·00	46·3252	8·2	...	17·534	-41·338	-5	...	...	...	7·906	-13·853	-5	m	...
...	-26·668	-45·050	-1	47·2927	10·1	...	-17·347	+56·779	-5	M	...	*	7·497	-38·469	1·00	47·2958	9·8		
...	26·508	-41·474	-5	...	...	*	17·262	+26·615	1·00	46·3266	9·8	...	7·330	-10·758	-5	M m	...
...	26·370	-37·316	-5	...	...	...	17·214	-32·962	-5	...	...	†	7·315	+49·903	0·85	46·3278	9·8
*	26·296	-22·827	1·80	47·2928	9·5	...	16·904	+48·928	-3	46·3267	10·2	...	6·904	+28·196	-5	...	...
...	26·153	+25·520	-1	46·3253	10·2	*	16·877	-28·630	3·00	47·2945	8·5	...	6·648	+41·340	1·00	46·3279	9·8		
321	-26·063	-22·579	-4	...	...	381	-16·814	-22·943	-5	...	...	441	-6·407	-39·525	0·70	47·2960	10·2
...	25·720	-30·599	1·00	47·2929	9·8	...	16·796	-31·031	-4	...	...	...	6·055	-52·207	-5	...	...
...	25·655	+17·062	-5	...	...	...	16·587	+47·789	-1	46·3268	10·2	...	6·044	+4·784	-4	...	...
...	25·204	-36·563	-5	A	...	...	16·556	+58·319	-5	...	...	*	5·881	-50·338	1·10	47·2961	9·8
...	25·192	-39·258	-1	47·2930	10·2	...	16·551	+16·138	-5	...	...	...	5·848	+54·581	-4	...	...
†	-24·993	-2·815	1·40	46·3254	9·6	*	-16·517	+11·640	2·00	46·3269	9·6	...	-5·590	-23·552	-5	...	...
...	24·926	+59·134	-4	...	...	...	16·478	-33·485	-5	B	...	...	5·460	+7·080	1·00	46·3280	10·0
...	24·877	-49·475	-1	47·2931	10·2	...	16·208	-40·939	1·00	47·2946	9·8	*	5·176	-22·530	1·10	47·2962	9·6		
...	24·646	-41·733	-5	B	...	*	15·911	+7·114	1·20	46·3270	9·8	...	4·725	-22·196	-5	m	...		
...	24·547	-41·902	-5	...	...	...	15·839	+2·268	-5	M	...	S*	4·700	-21·037	2·50	47·2963	8·9
331	*	-23·971	-4·468	2·00	46·3255	9·2	...	391	-15·785	+42·144	-2	46·3271	10·2	...	4·450	-20·705	-3	47·2964	10·2
...	23·661	+7·945	0·90	46·3256	10·2	...	15·631	-11·779	1·00	47·2947	9·8	...	4·422	+26·802	-5	m	...		
...	23·466	-47·090	-5	B	...	...	15·577	+35·590	-5	...	...	4·156	+43·280	1·10	46·3281	9·8	
...	23·460	+59·221	-4	45·3257	10·2	*	15·243	+56·778	1·30	45·3271	9·8	...	3·734	-33·751	-5	...	...
...	23·273	+49·761	-1	...	...	*	15·196	+20·325	2·00	46·3272	9·2	...	3·666	+37·840	-4	...	...
...	-23·113	+6·269	0·90	46·3257	10·2	†	-15·144	-10·264	1·00	47·2948	9·8	...	-3·666	+9·502	-5	m	...		
...	23·071	+2·021	-5	...	...	...	14·740	+15·356	-5	...	...	...	3·666	+9·346	-3	46·3283	10·2
*	23·050	+49·879	0·90	46·3259	10·1	...	14·565	-28·716	-4	...	...	...	3·638	+31·872	0·70	46·3282	10·2
*	22·923	+26·568	1·40	46·3258	9·6	...	14·285	+47·017	-2	...	...	...	3·414	-4·378	0·70	46·3284	10·2
...	22·891	-57·913	-1	47·2932	10·2	...	14·095	+43·722	-1	...	...	...	3·300	+9·895	-5	m	...
341	*	-22·888	-23·420	1·10	47·2933	9·8	*	401	-13·658	-25·251	1·40	47·2949	9·4	...	3·295	+22·901	-5
...	22·715	-7·346	0·65	47·2934	10·2	...	13·519	+1·567	-5	...	...	...	3·179	+37·012	-5	...	...
...	22·555	-40·941	-1	47·2935	10·2	*	13·343	-34·897	1·35	47·2950	9·6	...	2·982	+49·309	-3	...	...
...	22·458	-51·059	-5	...	...	...	13·301	-40·809	0·80	47·2951	10·0	F f [†]	2·950	+0·033	1·30	46·3285	9·6
...	22·352	-11·971	1·00	47·2936	10·0	...	13·115	+32·121	-5	...	...	*	2·920	-16·117	1·10	47·2965	9·8
...	-21·890	+12·525	1·00	46·3261	10·0	...	-12·826	-28·242	-1	47·2952	10·2	...	2·519	-44·723	1·20	47·2966	9·6		
...	21·877	+45·907	1·00	46·3260	10·0	*	12·815	+18·746	1·40	46·3273	9·6	...	2·513	+48·708	-2	46·3286	10·2		
*	21·802	-8·693	1·00	47·2937	10·0	†	12·692	-19·842	1·00	47·2953	9·8	...	2·447	-22·063	-5	...	...
...	21·728	+37·974	-4	...	...	...	12·557	-28·200	-2	...	...	...	2·399	-40·035	1·00	47·2967	10·0
...	21·504	-0·926	0·90	46·3262	10·2	...	12·244	-20·427	-5	...	...	...	2·257	-13·568	0·80	47·2968	10·2
351	*	-21·406	-46·878	-1	411	-12·111	-11·503	1·20	47·2954	9·8	*	2·144	+48·643	1·60	46·3287	9·2	
...	21·153	-36·848	-5	...	...	...	11·641	-8·014	-5	M	...	...	2·107	+38·821	0·70	...	...
...	21·073	-36·721	1·00	47·2938	9·8	...	11·442	+21·505	-2	46·3274	10·2	...	2·029	-9·087	0·65	47·2969	10·2		
...	21·026	+9·438	-4	...	...	...	11·188	+55·165	-3	...	...	...	1·626	+58·667	-4	...	...
...	20·812	-16·137	-5	...	...	...	11·111	+9·671	-5	...	...	...	1·613	+7·078	0·70	46·3288	10·2
*	-20·646	-15·700	1·10	47·2939	9·8	...	-11·048	+19·127	-2	46·3275	10·2	...	-1·558	-14·747	-3	47·2970	10·2		
†	20·645	+35·086	-5	A	...	...	10·989	+37·117	1·00	46·3276	10·0	...	1·459	-46·754	-1	...	...
...	20·464	-45·715	-1	47·2941	10·2	...	10·946	-6·076	-5	...	...	...	1·333	+50·782	-5	...	...
...	20·331	-53·175	1·00	47·2942	10·0	...	10·591	+15·827	-1	46·3277	10·2	...	1·109	-30·817	0·70	47·2972	10·2		
†	20·180	+15·083	0·65	46·3263	10·2	...	10·505	-10·384	-4	...	...	†	1·081	+59·888	-5	...	...

Notes.	Co ordinates.		Diam.	C.P.D.		Notes.	Co ordinates.		Diam.	C.P.D.		Notes.	Co ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
481-540																		
481	-1.046	-33.797	0.85	47.2971	10.1	541	+11.069	+1.513	-5	0	...	601	+22.364	-57.999	1.20	47.2998	9.6	
...	0.604	+20.686	0.80	46.3289	10.2	...	11.160	-35.942	-3	47.2986	10.2	...	22.997	-16.363	-3	...	...
*	-0.051	-11.102	2.00	47.2973	9.2	...	11.310	-28.298	-1	47.2987	10.2	...	23.106	+27.666	-3	...	...
+	0.017	-44.581	-4	...	...	*	11.467	+9.853	1.20	46.3303	9.8	...	23.557	-3.215	-2	46.3320	10.2
...	0.046	-45.057	-4	m	...	...	11.586	-9.988	-4	a	...	...	23.780	-7.959	-3	...	...
*	+0.475	-47.873	1.10	47.2974	9.8	...	+11.588	-46.193	-5	...	...	...	+23.948	+45.283	1.00	46.3319	9.8
...	0.895	+12.635	0.90	46.3290	10.1	...	11.935	-45.695	0.70	...	...	...	24.390	-16.788	-2	...	...
...	1.033	-6.828	1.00	47.2975	10.0	*	12.070	-45.774	1.10	47.2988	9.8	...	24.397	+37.088	-1	46.3321	10.2	
*	1.169	-53.918	1.60	47.2976	9.5	...	12.105	+2.638	-5	m	...	†	24.788	+5.661	-1	46.3322	10.1	
...	1.546	-22.563	-4	...	...	*	12.107	+19.213	2.00	46.3304	9.4	...	24.983	+43.846	-4	...	...
491	+1.622	-45.612	-5	M m	...	551	+12.128	-36.957	-5	m	...	611	+24.989	+48.405	-5	...	...
...	1.643	+28.259	-1	46.3291	10.2	*	12.254	-26.159	1.40	47.2989	9.6	...	25.159	-27.056	0.65	47.2999	10.2	
...	1.688	-55.240	-5	m	...	...	12.276	-18.219	-4	...	...	...	25.181	+31.661	0.65	46.3323	10.2
...	1.973	-4.147	-5	m	...	...	12.346	-44.567	-5	...	...	...	26.094	-38.972	-2	47.3000	10.2
...	2.025	+53.173	-4	...	...	...	12.827	-10.837	-4	a	...	...	26.428	+39.111	-4	...	...
*	+2.115	+18.318	1.30	46.3292	9.3	†	+12.916	+30.033	-4	...	...	...	+26.541	-20.633	-5	...	...
*	2.169	+19.030	2.00	46.3293	9.2	...	13.041	-4.753	-5	m	...	...	26.998	+56.652	-5	...	...
...	2.372	-30.586	-5	M m	...	†	13.668	+5.002	2.00	46.3305	9.1	...	27.012	-57.549	-5	...	...
*	2.383	+41.420	1.00	46.3294	10.0	...	13.676	-54.369	-5	...	...	...	27.157	+55.845	-4	...	...
...	2.424	+1.772	-5	m	...	...	13.788	+34.868	-5	...	...	...	27.255	-2.269	-5	...	...
501	+2.523	+37.695	2.20	46.3295	8.8	561	+13.891	+4.348	-4	46.3306	10.2	621	+27.438	+30.593	-5	...	...
...	2.739	+43.062	-5	...	...	...	14.541	-28.306	-5	m	...	*	27.598	-19.200	1.30	47.3001	9.6
...	3.352	-53.998	-1	47.2977	10.0	*	14.604	+55.810	1.20	45.3311	9.8	S*	27.908	+8.310	2.90	46.3324	7.8	
...	3.989	-13.077	-4	47.2978	10.2	...	14.606	-36.174	-4	...	...	...	28.920	-8.742	-4	...	...
...	4.012	+21.597	-4	...	...	...	14.694	-1.129	-4	...	...	*	29.023	+19.672	1.80	46.3325	9.5
*	+4.358	+33.243	1.30	46.3296	9.6	...	+15.463	-33.395	0.70	47.2991	10.2	...	+29.422	-6.282	-1	47.3002	10.2	
*	4.605	-55.953	1.40	47.2980	9.4	...	15.524	+32.141	-5	...	...	...	29.657	-36.365	-5	...	...
...	4.635	-10.055	1.00	47.2979	10.1	*	15.532	-46.472	1.40	47.2992	9.8	†	29.828	-49.279	-1	47.3003	10.0	
...	4.780	+58.664	-5	...	...	*	15.612	+50.778	1.00	46.3307	9.8	...	29.844	+18.335	-5	...	...
S*	4.871	+9.160	5.00	46.3297	6.2	...	15.663	-9.677	0.65	47.2990	10.0	...	29.868	+59.085	-5	...	...
511	†	+4.892	-31.427	-5	M m	...	571	+15.914	-43.876	0.95	47.2993	9.8	631	+30.236	+8.739	-5
...	5.306	-41.968	-4	m	...	...	15.919	-0.470	-5	m	...	...	30.277	+21.490	-5	...	...
...	5.686	+55.499	-4	...	...	...	15.930	+56.539	-5	...	...	...	30.596	-17.696	-5	...	...
...	5.842	+23.188	-5	m	...	*	16.320	-14.454	2.20	47.2994	8.8	...	30.612	-47.665	-5	...	...
...	6.253	-28.183	-4	...	...	*	16.708	-29.572	1.40	47.2995	9.6	*	31.314	-11.486	1.20	47.3005	9.6
...	+6.523	-34.953	-1	47.2981	10.2	...	+17.029	-49.398	-4	...	...	...	+31.433	+13.968	-4	...	...
...	6.582	-38.299	-4	...	...	...	17.098	-6.407	-5	...	...	*	32.031	+33.229	1.20	46.3326	9.6
...	6.585	+30.835	-4	...	...	*	17.546	-7.731	1.00	47.2996	9.8	*	32.284	-26.609	1.90	47.3006	9.2
*	7.040	+52.030	1.00	46.3298	9.8	...	17.966	+34.101	-5	...	...	...	32.397	-31.467	-5	...	...
...	7.360	-50.200	-5	...	...	*	18.107	+3.248	1.30	46.3309	9.6	...	32.559	+45.188	-5	...	...
521	+7.756	-13.295	-4	M	...	*	581	+18.214	+58.169	1.80	45.3316	9.2	641	+32.743	+48.436	1.40	46.3327	9.8
...	7.868	+24.438	-5	B m	...	*	18.214	+16.281	1.50	46.3308	9.2	...	32.771	-30.965	1.00	47.3007	10.0	
...	7.993	+56.047	-4	...	...	...	18.283	-24.670	-5	...	...	...	32.873	+32.918	-5	...	...
*	8.036	-56.121	1.20	47.2983	9.8	...	18.318	+16.425	-3	...	...	...	33.405	+20.381	-4	...	...
...	8.308	-33.503	-5	M	...	*	18.476	+42.273	2.40	46.3310	8.8	...	33.626	+18.534	-5	...	...
...	+8.391	-50.203	-5	...	...	...	+18.580	-32.683	-5	m	...	...	+33.696	-44.672	-5	a	...
...	8.475	+14.370	0.65	46.3299	10.2	...	19.449	-46.398	-4	...	...	...	33.983	-15.407	-4	...	...
...	8.609	-30.124	-5	M m	...	*	19.991	+40.529	2.50	46.3311	8.4	...	34.042	+12.143	-5	...	...
...	8.632	-45.942	-5	...	...	*	20.215	+34.802	1.40	46.3312	9.6	...	34.426	+27.890	-4	...	...
...	9.371	-9.795	-5	m	...	...	20.553	+36.029	-2	46.3314	10.2	†	34.843	+45.019	-5	...	...
531	+9.544	-6.265	-5	m	...	*	+20.559	+8.026	2.20	46.3315	8.6	651	+34.963	-44.422	-4	47.3008	10.2	
...	9.624	+14.259	-1	46.3300	10.2	...	20.575	+51.574	-2	46.3313	10.2	...	35.105	-28.395	-4	...	...
...	10.013	+47.210	-5	...	...	*	20.650	+3.153	1.20	46.3316	9.8	*	35.144	+58.862	1.20	45.3339	9.6
...	10.214	-47.206	-5	m	...	...	20.753	-14.983	-5	m	...	...	35.150	+36.002	-1	46.3328	10.2
*	10.236	+13.877	1.10	46.3301	9.8	...	20.924	+15.942	1.00	46.3317	10.0	...	35.277	-14.062	-4	...	...
*	+10.249	-56.746	1.35	47.2985	9.6	...	+21.352	+21.958	-5	...	...	...	+35.309	+18.323	0.90	46.3329	10.2
S*	10.275	-54.091	2.95	47.2984	8.0	...	21.536	+58.993	-4	...	...	...	35.373	-25.969	-5	...	...
...	10.357	+6.465	-5	m	...	*	21.796	-18.651	1.60	47.2997	9.3	...	35.526	+49.839	-5	...	...
...	10.524	+40.319	1.00	46.3302	9.8	...	21.891	+55.095	-5	m	...	...	35.666	+32.810	-1	46.3330	10.2
...	10.848	+1.184	-5	...	...	†	21.999	+49.990	-1	46.3318	10.2	*	35.680	-29.289	1.80	47.3009	9.6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
661-700																	
661	+35°883	-11°235	-4	o	...	701	* +42°438	+25°598	1°50	46°3343	9°6	741	+50°555	+16°253	-5	o	...
...	36°026	+49°250	-2	46.3331	10°2	...	42°452	+26°766	-4	...	...	...	50°752	+58°640	-3	45.3375	10°1
*	36°179	-16°124	2°00	47.3010	9°5	...	42°595	+41°086	-5	...	...	...	51°415	+40°810	-5	...	...
...	36°211	+4°223	-5	...	...	† 42°731	-19°824	0°70	...	...	...	51°444	-6°240	-5	...	...
...	36°447	+35°247	-4	46.3332	10°2	...	42°857	-2°441	-4	...	...	...	51°762	+43°287	-4	46.3357	10°2
*	+36°623	-26°016	1°00	47.3011	9°8	...	+43°006	-18°127	1°00	47.3020	9°8	*	+51°819	-0°876	3°00	46.3359	7°8
†	37°321	-9°796	0°80	47.3012	10°1	*	43°058	+2°511	1°00	46.3346	9°8	*	51°916	+20°879	1°80	46.3358	9°3
...	37°367	-33°162	0°90	47.3013	10°0	...	43°191	-30°763	-1	...	...	S *	51°970	-32°405	2°70	47.3033	8°6
...	37°620	+19°545	0°95	46.3334	10°1	...	43°794	+43°367	-5	...	...	...	52°060	-24°063	-5	...	...
...	37°668	+41°903	1°00	46.3333	10°0	...	43°828	-52°190	-1	47.3021	10°2	*	52°088	+0°350	1°10	46.3361	9°8
671	+37°679	-40°824	-4	...	...	711	+43°862	+47°017	-5	...	...	751	+52°187	-24°325	-5	...	...
*	37°995	+56°010	3°00	45.3344	8°8	...	43°898	+36°208	-5	...	...	...	52°484	+20°139	0°65	46.3360	10°0
...	38°134	+44°828	-5	...	...	...	43°965	+35°123	1°00	46.3347	10°1	...	52°709	+12°517	0°95	46.3363	10°0
*	38°143	+2°198	1°00	46.3336	9°8	...	44°151	+2°872	-4	...	...	...	52°917	+11°568	-5	...	...
*	38°179	+27°536	2°00	46.3335	9°2	...	44°266	+25°432	-2	46.3348	10°2	*	53°183	+30°729	1°50	46.3362	9°4
...	+38°398	+22°963	-5	...	...	...	+44°421	+24°648	-5	...	...	*	+53°194	-8°318	1°05	47.3034	9°8
...	38°403	+25°957	-1	...	...	*	44°558	-38°677	1°10	47.3022	9°6	*	53°311	-9°574	1°40	47.3035	9°3
*	38°451	+54°237	1°10	45.3345	9°6	*	44°864	+25°607	2°40	46.3350	8°8	...	53°458	-58°093	0°70	47.3037	9°8
...	38°468	-24°146	-3	...	...	...	45°138	-19°274	-1	47.3023	10°2	*	53°775	-53°312	1°40	47.3038	9°6
...	38°662	+50°885	-5	...	...	...	45°150	+46°645	-2	46.3349	10°2	...	53°790	-34°319	-4	...	...
681	+39°120	-55°155	-5	b	...	721	+45°723	-59°303	1°20	47.3025	9°6	761	+53°974	+29°523	1°00	46.3364	10°0
*	39°316	-3°284	1°00	46.3338	9°8	...	45°763	-55°623	-1	47.3024	10°0	...	54°029	-7°435	1°05	47.3036	9°8
...	39°467	+37°797	-5	...	...	...	45°779	+21°653	-5	...	...	...	54°310	+35°153	1°00	46.3365	9°8
†	39°707	-33°346	1°00	47.3015	9°8	...	45°854	+51°106	-5	...	...	†	54°723	-49°549	-4	47.3039	10°2
†	39°818	-17°071	1°00	47.3014	10°0	†	45°941	-4°818	0°70	46.3352	10°2	...	55°113	-20°158	-5	...	...
...	+39°884	-33°835	-5	...	...	...	+46°187	+35°735	-1	46.3351	10°2	f *	+55°654	-0°035	1°20	46.3368	9°6
†	40°033	+49°972	-1	46.3337	10°2	...	46°406	-35°175	-1	47.3026	10°2	†	55°684	+44°924	0°65	46.3366	9°8
*	40°075	-34°014	1°50	47.3016	9°6	*	46°638	+27°086	1°80	46.3353	9°3	...	55°745	-14°264	1°00	47.3040	10°0
†	40°173	-49°773	1°80	47.3017	9°5	*	46°843	-37°430	1°80	47.3027	9°3	...	56°130	-7°462	-2	47.3041	10°2
...	40°457	+5°357	1°00	46.3339	9°8	...	47°303	+43°790	-1	46.3354	10°2	*	56°361	+51°180	1°10	46.3367	9°6
691	+40°739	+58°453	-5	45.3348	10°2	731	+47°417	-16°658	0°90	47.3028	10°1	771	* +57°021	+51°182	1°35	46.3369	9°3
*	41°380	-26°816	1°50	47.3018	9°5	...	47°523	+45°548	-5	...	...	S *	57°868	-3°153	4°20	46.3371	7°2
...	41°670	+41°451	-1	46.3341	10°2	...	47°610	+23°376	0°70	46.3355	10°0	...	58°045	-56°401	-5	47.3042	10°2
S *	41°772	+49°737	2°90	46.3340	8°6	...	48°091	-32°435	1°05	47.3031	10°0	...	58°269	-48°939	0°65	47.3043	9°8
...	41°857	+47°119	-5	...	...	*	48°333	-20°421	1°00	47.3030	9°8	S *	58°675	+17°491	6°00	46.3372	6°9
N *	[+41°892	+58°675	2°00	45.3350	9°4	*	+48°780	+22°752	2°00	46.3356	9°3	*	+58°788	+38°501	1°40	46.3370	9°4
...	42°032	+50°649	-4	46.3342	10°2	...	48°980	-46°568	0°65	47.3032	10°0	*	59°171	-48°570	2°20	47.3044	8°8
*	42°368	+4°570	1°20	46.3345	9°8	...	48°998	+55°957	-5	45.3369	10°2	...	59°271	+1°645	-5	...	...
...	42°400	+13°639	1°00	46.3344	10°0	†	49°683	+39°297	-5	...	...	...	59°400	-11°015	-5	...	...
*	42°417	+54°183	1°10	45.3351	9°8	...	50°115	+47°250	-5	...	...	...	51°963	+43°290	-5	46.3357	10°2

696. Mass. 46°55, two stars.

1-10					11-20					21-30					1-10				
I	†	-59°485	+34°887	-3	46.3347	10°1	II	-57°292	+35°559	-3	46.3351	10°2	21	†	-54°811	-35°314	-2	47.3026	10°2
...	*	59°408	-2°715	-4	57°241	+21°478	-5	54°803	-55°765	-1	47.3024	10°0	
*	59°350	+2°253	1°00	46.3346	9°8	56°839	-52°408	-4	47.3021	10°2	...	54°729	-59°447	1°00	47.3025	9°6	
†	58°969	-20°079	-4	56°578	-19°454	0°80	47.3023	10°2	...	54°389	-16°765	0°90	47.3028	10°1	
...	58°883	+25°203	-5	46.3348	10°2	*	56°557	+26°927	1°40	46.3353	9°3	*	54°296	-37°556	1°60	47.3027	9°3		
...	-58°738	-18°380	1°00	47.3020	9°8	*	-56°549	-38°877	1°10	47.3022	9°6	*	-54°273	+22°668	2°00	46.3356	9°3		
...	58°676	+46°432	-4	46.3349	10°2	...	56°436	+43°654	-4	46.3354	10°2	...	53°456	+58°612	-4	45.3375	10°1		
*	58°286	+25°391	2°00	46.3350	8°8	...	56°244	-4°990	-4	46.3352	10°2	...	53°363	-20°500	1°00	47.3030	9°8		
...	58°272	+2°656	-5	...	...	...	55°474	+23°253	0°95	46.3355	10°0	...	53°213	-32°525	1°00	47.3031	10°0
...	58°159	-31°007	-4	...	...	...	55°119	+55°860	-5	45.3369	10°2	...	51°963	+43°290	-5	46.3357	10°2

L measured from 1, 153, 321.
C " 75, 247, 400.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		
	31-90						91-150						151-210						
31	-51.855	-46.607	-1	47.3032	10.0	91	-36.026	+29.858	-5	...	...	151	-20.293	+38.468	1.00	46.3405	10.4
...	51.658	-48.323	-5	...	...	...	35.318	+58.063	-5	45.3416	10.6	...	20.070	-9.202	0.70	47.3074	10.2
*	51.075	+20.887	1.50	46.3358	9.3	*	34.327	+21.038	2.20	46.3385	8.4	...	19.934	-8.502	-4	...	...
...	50.496	+20.173	0.90	46.3360	10.0	*	34.284	+31.446	1.10	46.3386	10.2	*	19.486	+21.953	1.00	46.3406	9.8		
*	50.481	-0.856	3.00	46.3359	7.8	...	34.155	-20.813	-5	...	...	*	19.315	-13.061	2.00	47.3075	9.4
...	50.248	+0.374	1.00	46.3361	9.8	...	34.142	-46.061	-4	...	...	*	19.291	+19.897	1.00	46.3407	9.8
...	50.120	+30.774	1.40	46.3362	9.4	*	33.946	-21.599	1.00	47.3054	10.2	...	19.022	-32.134	1.00	47.3076	10.1		
†	50.037	+12.551	0.90	46.3363	10.0	...	33.923	+33.803	-3	...	...	S*	19.004	+13.042	2.00	46.3408	9.0
...	49.791	+11.615	-5	...	...	*	33.876	-29.793	1.00	47.3055	10.2	...	18.938	-12.765	-3	...	...
S*	49.324	-32.354	2.00	47.3033	8.6	*	33.860	+28.456	1.10	46.3387	10.1	*	18.745	-31.107	3.80	47.3077	7.9		
41	...	101						161						171					
...	-49.302	+29.606	0.90	46.3364	10.0	...	-33.743	+14.161	-4	-18.699	+21.739	-5	
...	49.154	+35.241	1.00	46.3365	9.8	...	33.694	-46.539	-5	A	...	...	18.539	-53.991	1.00	47.3078	10.4
*	48.874	-8.244	1.00	47.3034	9.8	...	33.018	-15.491	-5	...	...	*	18.381	+59.532	2.00	45.3438	8.9
*	48.704	-9.495	2.00	47.3035	9.3	...	32.758	-32.701	-2	...	...	...	18.247	+37.732	-5	...	...
*	48.079	-7.332	1.00	47.3036	9.8	*	32.123	+15.979	1.15	46.3388	9.8	...	17.872	+25.671	-5	...	...
...	48.078	+45.053	1.00	46.3366	9.8	...	32.015	-51.954	0.90	47.3057	10.4	...	-17.679	+6.321	-5	...	...
*	47.596	+51.331	1.15	46.3367	9.6	...	31.877	-33.504	-1	...	...	...	17.538	-38.331	0.90	47.3079	10.6
...	47.039	-57.990	1.00	47.3037	9.8	*	31.808	+23.692	1.00	46.3389	10.0	...	17.531	-1.017	-5	...	...
*	46.945	+51.343	2.00	46.3369	9.3	...	31.103	-30.684	-5	...	...	...	17.238	-19.378	-3	...	...
*	46.867	-53.195	1.80	47.3038	9.6	...	30.821	-21.252	0.90	47.3059	10.5	*	16.540	-32.955	1.05	47.3080	10.0		
51	*	-46.667	+0.098	1.10	46.3368	9.6	...	30.659	+34.683	-1	46.3390	10.6	...	-16.537	-51.053	0.80	47.3081	10.6	
...	46.138	-14.104	0.90	47.3040	10.0	*	30.531	-15.261	1.80	47.3060	9.3	...	16.180	+10.279	-5	...	...
...	46.030	-49.412	-5	47.3039	10.2	*	30.327	+18.668	1.00	46.3391	10.2	...	16.095	+38.151	0.80	...	...
...	45.955	-7.299	0.90	47.3041	10.2	*	30.138	-1.787	2.00	46.3392	9.3	*	16.032	+7.788	1.00	46.3409	10.0		
S*	44.769	+38.732	1.80	46.3370	9.4	*	29.465	-19.671	1.80	47.3061	9.0	...	15.590	-5.606	0.70	...	...
SN*	44.176	+17.714	6.00	46.3372	6.9	...	29.128	+27.417	-1	46.3393	10.6	...	-14.863	+30.842	-5	...	...
*	44.001	+50.597	1.40	46.3373	9.4	...	28.811	+14.600	-2	...	...	*	14.394	+43.663	1.00	46.3410	10.0
...	43.371	+25.134	-4	46.3374	10.2	*	28.732	+20.266	0.70	46.3394	10.6	...	13.512	+8.160	-4	...	...
...	43.124	+1.903	-3	...	...	*	28.321	-44.282	1.40	47.3062	9.2	...	13.226	+19.570	0.70	46.3411	10.6
61	*	-42.624	+0.389	1.20	46.3375	9.5	...	28.275	-8.491	2.00	47.3064	8.3	...	12.899	+43.997	-4	46.3412	10.6	
*	42.523	+27.152	1.00	46.3376	9.8	...	28.245	-45.889	-3	47.3063	10.6	...	-12.772	+54.025	1.00	46.3413	10.4		
*	42.523	-48.678	1.00	47.3043	9.8	...	27.692	+24.151	-5	...	...	...	12.385	+46.041	-5	...	...
...	42.491	-56.150	-4	47.3042	10.2	*	27.585	+33.829	-5	...	...	...	12.258	+31.618	-5	...	...
...	42.044	+32.163	-4	...	...	*	27.358	-1.508	1.20	46.3395	9.7	...	12.044	+21.699	-4	...	...
*	-41.607	-48.282	2.20	47.3044	8.8	*	26.957	-4.043	1.00	46.3397	10.0	...	-11.769	-28.174	0.80	47.3082	8.7		
...	41.273	+23.148	-4	...	...	†	26.738	+54.754	-5	...	...	*	11.666	+17.279	2.00	46.3414	9.2
...	41.085	+23.621	1.00	46.3377	10.2	*	26.354	-16.257	1.20	47.3065	9.6	...	11.270	-41.664	-5	...	...
...	41.048	+3.644	0.70	...	...	...	26.197	+38.719	0.70	46.3399	10.5	...	11.230	-9.793	-5	...	...
*	40.982	-22.278	1.00	47.3046	9.8	...	26.197	-2.803	0.65	46.3398	10.4	...	11.040	+17.931	-4	...	...
71	*	-40.800	-34.599	1.10	47.3047	9.8	*	26.152	-22.184	1.60	47.3067	9.3	*	-10.930	+31.871	2.00	46.3415	9.2	
*	40.772	-51.964	1.00	47.3045	9.8	...	26.061	-38.858	0.70	47.3066	10.5	...	10.366	-27.182	-4	...	...
...	40.483	-58.951	-5	47.3048	10.2	*	25.801	+8.295	1.30	46.3400	9.6	*	10.218	-31.891	2.00	47.3084	8.9		
...	40.456	-13.147	-5	...	...	*	25.565	+51.750	-4	...	...	*	10.157	-37.013	-5	...	...
...	39.925	+9.735	-5	...	...	*	25.524	-39.657	-5	...	...	*	9.878	+37.811	1.40	46.3416	9.4
...	-39.811	+30.109	-1	46.3379	10.6	...	25.507	-30.678	-3	...	...	*	-9.819	-28.512	1.80	47.3085	9.1
...	39.720	-3.036	1.00	46.3378	10.4	*	24.763	-12.900	1.80	47.3068	9.4	...	9.762	+53.408	-4	...	...
...	39.717	-9.669	0.85	47.3049	10.1	n*	24.760	-14.633	2.40	...	...	*	9.587	+17.926	0.90	46.3417	10.5
*	39.362	+48.726	1.40	46.3380	8.9	n*	24.410	-14.713	1.10	47.3069	8.5	...	9.482	-17.972	-5	...	...
*	38.619	+31.983	1.10	46.3381	9.6	*	24.388	-54.922	1.40	47.3070	9.4	...	9.453	-6.390	-4	...	...
81	*	-37.623	-32.577	-4	...	*	23.872	+31.210	1.10	46.3401	10.0	...	-9.443	-34.670	-2	47.3086	10.6		
*	37.619	+34.707	3.20	46.3382	7.5	...	23.821	+14.977	-3	...	...	*	9.244	+5.919	0.70	46.3418	10.6
...	37.307	-15.423	0.65	47.3050	10.2	S*	23.396	+48.512	2.00	46.3402	8.8	*	9.083	+6.956	1.00	46.3420	10.0		
*	36.977	+27.462	1.00	46.3383	10.1	...	23.377	+23.099	-2	...	...	*	9.062	+15.823	1.00	46.3419	10.2
*	36.784	+55.027	1.35	45.3415	9.8	*	22.760	-25.290	1.00	47.3071	10.2	...	8.955	-23.213	0.95	47.3087	10.6		
...	-36.566	-58.286	-2	47.3051	10.2	*	-22.265	+25.749	1.00	46.3403	10.2	...	-8.737	+49.754	-4	...	...
*	36.487	-49.285	2.50	47.3052	8.2	...	22.168	-11.059	0.70	47.3072	10.6	*	8.374	+56.459	1.90	45.3451	9.1		
*	36.350	+8.282	1.00	46.3384	10.2	...	21.709	+42.280	0.90	46.3404	10.4	S*	8.276	-9.481	2.90	47.3088	8.3		
...	36.284	+55.191	-5	...	...	S*	20.869	-46.793	2.40	47.3073	8.4	...	8.201	-47.066	1.00	47.3089	10.4
*	36.176	-38.506	1.10	47.3053	10.2	...	20.298	-35.648	-3	...	...	...	7.969	-23.457	0.95	47.3090	10.6

57. R

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
211-270																		
211	- 7.963	+38.209	2.00	46. ^o 3421	8.6	271	+ 7.562	-35.297	- 5	...	...	331	+ 23.142	-20.244	0.90	47.3127	10.4
*	7.787	+39.284	0.90	46.3423	10.6	...	7.738	-25.713	0.70	47.3106	10.5	...	23.210	+ 6.034	0.70	...	...
*	7.781	+36.526	1.00	46.3422	9.8	*	7.990	+35.313	1.40	46.3443	9.6	*	23.350	+41.518	1.00	46.3462	9.8	
...	7.506	-39.805	- 5	...	...	*	8.096	-22.631	1.30	47.3107	9.8	*	23.351	- 7.538	1.00	47.3128	9.8
*	7.481	+11.934	1.20	46.3424	9.4	...	8.163	-22.141	0.70	47.3108	10.6	*	23.738	-17.292	1.05	47.3129	10.0	
...	- 7.370	+25.157	- 4	...	...	+	8.307	-39.605	- 4	...	...	*	+23.807	+ 7.394	1.00	46.3463	10.2
...	7.339	+51.113	- 4	...	...	...	8.723	-38.800	- 5	...	...	...	24.743	-38.419	- 5	...	...
...	7.247	-33.868	0.90	47.3091	10.5	...	8.858	+40.655	- 5	...	...	...	25.245	-21.754	- 4	...	...
*	7.166	-56.119	1.00	47.3092	10.1	*	8.963	+45.213	1.20	46.3444	9.8	...	25.308	+32.247	0.90	46.3464	10.6	
...	6.801	-42.915	0.90	47.3093	10.6	*	9.200	-46.587	1.30	47.3110	9.8	...	25.717	+58.425	- 4	45.3497	10.6	
221	- 6.626	+46.605	0.70	...	...	281	+ 9.222	-37.533	- 3	...	...	341	+25.785	+49.963	- 5	...	...
...	6.316	-2.310	- 3	...	...	*	9.289	-19.576	2.60	47.3109	8.5	...	25.989	+47.353	- 1	46.3465	10.6
*	6.068	+49.329	1.70	46.3425	9.6	*	10.412	-48.927	2.20	47.3111	8.5	...	26.009	+31.942	1.00	46.3467	10.5	
...	5.897	+18.714	- 4	...	...	...	10.779	+55.456	- 1	45.3477	10.6	*	26.148	+53.900	1.25	46.3466	9.6
...	5.884	+40.730	- 4	...	...	...	10.886	+31.514	0.70	46.3445	10.5	...	26.514	+16.777	- 5	...	...
*	- 5.839	+29.517	1.80	46.3426	9.2	...	+11.295	+39.183	- 5	...	...	...	+26.894	+21.014	0.90	46.3468	10.6
...	5.508	+10.770	1.00	46.3428	10.2	*	11.492	-31.482	1.40	47.3112	9.4	...	27.087	-16.150	- 4	...	...
...	5.492	+10.999	- 4	46.3427	10.6	...	11.642	-25.368	- 5	...	...	...	27.096	-11.816	- 5	...	...
...	4.812	+17.172	- 4	...	...	...	11.700	-15.549	0.70	47.3113	10.4	*	27.161	+26.289	1.00	46.3469	10.2
...	4.567	-46.803	0.90	47.3094	10.6	...	12.016	+36.328	- 5	...	...	...	27.704	- 9.344	- 4	...	...
231	- 4.406	+27.928	- 5	...	...	291	+12.032	+40.605	- 2	46.3446	10.6	351	+27.720	+13.233	1.40	46.3470	9.4
...	3.816	-46.656	0.90	47.3095	10.6	...	12.241	+53.508	- 1	46.3447	10.6	*	28.165	+23.394	1.00	46.3471	10.2	
...	3.473	+2.571	1.00	46.3429	10.4	...	12.252	-8.688	- 5	a	...	...	28.218	-13.827	0.90	47.3130	10.6
...	3.252	+40.907	- 1	46.3430	10.6	...	12.372	-25.643	0.90	47.3115	10.2	...	28.331	+26.247	- 4	...	...
*	3.091	-28.949	1.10	47.3096	9.6	...	12.400	+16.703	- 2	46.3448	10.6	...	28.351	-48.880	- 4	...	...
...	- 2.654	+29.402	- 5	...	...	301	+12.435	+11.037	0.70	46.3449	10.2	...	+28.379	+19.054	- 4	...	...
...	2.462	+18.288	- 4	...	...	...	12.575	-17.396	- 5	...	...	...	28.420	+47.423	- 4	...	...
*	2.312	+23.790	1.00	46.3431	10.0	*	12.815	-21.331	1.80	47.3116	9.0	...	28.460	-10.970	- 4	...	...
...	1.766	+51.461	- 2	46.3432	10.6	...	12.858	+36.403	0.75	46.3450	10.4	...	28.746	-12.586	0.80	47.3132	10.6	
*	1.466	-14.682	1.00	47.3097	10.2	...	12.958	+24.507	1.00	46.3451	10.4	...	29.137	-42.161	- 4	...	...
241	*	- 1.203	-43.940	2.00	47.3098	8.8	301	+13.158	+19.851	1.20	46.3452	9.8	361	+29.600	-22.812	1.00	47.3133	10.1
...	1.084	+38.144	0.90	46.3433	10.6	*	13.385	+53.273	1.50	46.3453	9.0	...	29.617	-40.275	- 4	47.3134	10.6	
...	0.966	+44.373	- 4	...	...	*	13.399	+37.446	- 5	...	...	...	29.915	+25.366	- 4	...	...
*	0.486	+51.409	1.10	46.3434	10.0	*	13.534	-2.405	1.00	46.3454	10.1	*	30.191	-39.995	1.40	47.3137	9.4	
...	0.199	-57.000	- 5	...	...	*	14.065	+22.571	1.60	46.3455	9.4	*	30.294	-14.580	0.95	47.3135	10.1
*	- 0.071	-57.927	2.00	47.3099	9.4	S *	+14.357	-4.171	5.00	46.3456	7.3	...	+30.326	-10.938	0.80	47.3136	10.4	
+	0.028	+57.010	- 3	45.3463	10.6	...	14.585	-32.951	- 5	...	...	...	30.511	+42.268	- 3	46.3472	10.6
*	0.057	+27.080	1.20	46.3435	10.0	...	15.344	+45.525	- 5	...	...	...	30.667	+20.355	- 4	...	...
...	0.275	+40.642	0.70	46.3436	10.5	...	15.399	-53.902	- 5	...	...	...	30.760	+39.315	0.90	46.3473	10.5
+	0.749	+9.931	1.35	46.3437	9.6	...	16.059	-26.835	- 2	47.3119	10.6	...	30.840	+22.696	- 5	...	...
251	+	0.936	+46.386	- 4	...	311	+16.137	-16.596	- 2	47.3118	10.6	371	+31.006	-38.818	- 5	...	...
...	1.034	-57.438	1.05	47.3100	10.0	...	16.215	-6.689	- 2	47.3117	10.6	...	31.045	-37.440	- 3	47.3138	10.1	
*	1.397	-56.343	1.60	47.3101	9.2	...	16.307	+0.936	- 5	a	...	...	31.087	-37.551	0.80	47.3138	10.1
...	1.465	+17.570	- 1	46.3438	10.6	S *	16.692	-47.979	2.70	47.3120	8.4	SN*	31.337	+49.425	5.00	46.3474	5.9	
*	1.787	-21.563	2.00	47.3102	8.7	S *	17.643	+16.516	2.80	46.3457	8.2	...	31.533	-48.269	- 4	...	...
+	1.924	-15.695	3.60	47.3103	8.3	...	+17.930	+58.546	1.00	45.3486	10.2	...	+31.914	+ 6.563	0.90	46.3475	10.6	
...	2.370	-27.606	- 5	...	...	...	18.153	-23.589	0.65	47.3121	10.6	...	32.421	- 4.542	0.90	46.3476	10.2
*	3.051	+29.022	1.20	46.3439	10.0	...	18.451	-35.197	- 1	47.3122	10.6	...	32.607	+22.607	- 5	...	...
*	3.209	+58.384	1.20	45.3468	10.0	...	19.121	-57.260	1.00	47.3123	10.2	*	32.876	+31.286	3.00	46.3477	8.0	
*	3.604	-50.328	1.30	47.3104	10.0	...	19.703	+47.481	0.70	46.3458	10.4	*	32.921	+22.268	1.00	46.3478	10.1	
261	+	4.166	+44.217	- 1	...	321	+19.994	-54.740	- 5	...	...	381	+32.950	+50.007	- 5	...	...
...	4.211	-33.121	- 4	...	...	...	19.995	-16.329	0.90	47.3124	10.5	*	33.160	-20.153	1.00	47.3139	9.8
*	4.427	+38.015	1.40	46.3440	9.4	*	20.432	+38.184	2.00	46.3459	9.1	+	33.182	-29.820	1.00	47.3140	10.0	
...	5.398	+46.551	0.70	46.3441	10.6	...	20.917	-11.801	1.00	47.3125	10.4	...	33.761	-10.040	- 3	...	...
...	5.681	+17.937	- 5	...	...	...	21.028	+35.801	- 4	...	...	...	33.769	-55.142	- 4	47.3141	10.6
+	6.010	+17.714	- 5	M	...	...	+21.059	+30.132	0.80	...	...	...	+34.221	+ 9.688	0.95	46.3479	10.2
...	6.494	+37.818	- 5	...	...	*	21.437	-19.044	2.00	47.3126	8.7	*	34.409	-34.148	1.00	47.3142	10.2
...	6.518	+11.242	1.00	46.3442	10.2	...	21.574	+38.956	0.90	46.3460	10.5	*	34.717	-37.714	1.80	47.3143	9.1	
...	6.884	-54.214	- 3	...	...	*	21.853	+17.300	1.00	46.3461	9.7	*	35.393	-51.565	1.30	47.3144	10.0
*	7.508	-27.882	1.25	47.3105	9.8	...	22.780	+52.291	- 4	...	...	...	35.505	-57.345	- 1	47.3145	10.4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		
391-420																			
39 ¹	+36·046	-3·842	-4	o	...	42 ¹	+45·927	-37·874	-3	o	...	45 ¹	*	+54·013	+28·124	1·30	46·3500	9·8	
...	36·647	-44·430	-1	47·3146	10·5	...	46·231	+48·540	-5	46·3488	10·6	4	54·825	-55·307	2·40	47·3176	8·9		
...	37·290	+23·414	0·95	46·3480	10·6	...	46·553	-14·444	-5	...	...	...	55·175	-28·888	-5	...	...
...	37·351	-12·879	-4	...	...	*	47·090	+5·454	1·05	46·3492	10·0	*	55·950	+16·204	1·50	46·3501	9·2	
*	37·827	-42·009	1·00	47·3147	10·0	*	47·094	+35·969	1·30	46·3490	9·8	...	56·102	+0·778	-2	46·3503	10·6		
*	+38·411	+38·424	2·00	46·3481	9·2	*	+47·162	-23·106	1·40	47·3162	9·3	...	+56·605	-30·207	-5	...	...
...	38·430	-7·080	-3	47·3148	10·6	*	47·385	+22·274	1·40	46·3491	9·3	...	56·986	+45·337	-5	46·3502	10·6		
+	38·520	+29·895	1·40	46·3482	9·6	...	47·581	+16·967	-2	...	...	*	57·962	-33·544	1·35	47·3177	9·6	
...	39·178	+58·736	-5	45·3516	10·6	*	48·072	-19·977	1·40	47·3163	9·2	...	57·987	+1·336	0·70	46·3504	10·5		
*	40·988	-18·427	1·20	47·3149	10·0	*	48·081	+25·715	1·00	46·3493	10·2	...	58·452	+38·042	-5	...	...
40 ¹	+41·358	-52·806	0·70	47·3152	10·2	*	+48·635	-7·203	1·25	47·3165	10·0	46 ¹	*	+58·453	-14·081	1·35	47·3178	9·6	
S *	41·366	-47·009	1·95	47·3150	9·3	...	48·912	-8·196	-1	47·3166	10·6	...	58·706	-19·498	0·80	47·3179	10·1		
...	41·477	-51·929	-1	47·3154	10·4	...	49·028	-3·474	1·00	46·3495	10·2								
*	41·498	+27·834	1·00	46·3483	10·0	*	49·081	+5·146	1·00	46·3494	10·2								
...	41·789	-31·634	1·00	47·3153	10·5	*	49·184	-19·100	1·60	47·3167	9·2								
...	+41·989	+18·304	-5	...	...	*	+50·033	-37·704	0·90	47·3169	10·4							
...	42·058	+23·686	0·80	46·3484	10·6	*	50·397	-9·691	1·30	47·3168	9·6								
...	42·676	+14·669	0·70	46·3485	10·4	...	50·420	-21·052	-4	47·3170	10·6								
...	43·250	+32·750	-5	...	...	...	50·573	-49·188	0·90	47·3171	10·2							
*	43·252	-41·989	1·20	47·3155	10·0	...	51·460	+26·668	-4	46·3496	10·6								
41 ¹	+43·706	-44·016	1·25	47·3156	10·0	...	+51·769	-38·445	-5	...	...	41 ¹	-	-	-	-	-	-
...	44·740	-53·042	0·70	47·3159	10·6	S *	51·863	+4·072	5·00	46·3497	6·6	...	52·314	-31·637	-1	47·3174	10·5		
...	44·857	+2·102	-5	...	...	...	52·472	+15·953	-5	...	...	...	52·472	+15·953	-5	...		
...	45·041	+17·708	0·70	46·3486	10·6	...	53·296	-8·794	-5	...	...	...	53·296	-8·794	-5	...		
...	45·130	-29·759	1·00	47·3158	10·2	...	+53·353	+5·710	0·70	46·3499	10·6	...	53·353	+5·710	0·70	46·3499	10·6		
...	+45·335	+24·814	1·00	46·3487	10·5	...	53·502	-32·638	0·80	47·3175	10·5	...	53·502	-32·638	0·80	47·3175	10·5		
...	45·523	+0·194	0·80	46·3489	10·6	...	53·675	+42·338	1·40	46·3498	9·6	...	53·675	+42·338	1·40	46·3498	9·6		
...	45·587	-41·002	-3	...	...	*	53·818	+12·599	-5	...	...	...	53·818	+12·599	-5	...		
...	45·731	-26·746	0·70	47·3160	10·6	...	53·844	+14·270	-3	...	...	...	53·844	+14·270	-3	...		
...	45·917	-56·578	0·75	47·3161	10·5	...						51							

C.P.D. 47°·3151 obscured by 2nd and 3rd images of 402.

1-20					21-40					41-60								
I	-59·521	-31·914	-1	47·3153	10·5	21	-55·865	+41·548	-5	o	...	41	-53·143	-8·274	0·65	47·3166	10·6	
S *	59·464	-47·292	1·70	47·3150	9·3	...	55·741	-26·919	0·80	47·3160	10·6	...	52·841	+27·137	-5	...	...
...	59·411	+26·141	-5	...	...	*	55·645	+22·137	2·00	46·3491	9·3	...	52·620	-29·043	-5	...	...
...	59·284	-53·094	-2	47·3152	10·2	...	55·428	-41·151	-4	...	...	*	52·536	-19·157	2·00	47·3167	9·2
...	59·195	-52·202	-2	47·3154	10·4	*	55·402	+5·311	1·00	46·3492	10·0	...	52·205	-50·263	-5	M	...	
...	-57·850	+19·108	-5	...	...	...	-55·339	+14·154	-5	...	...	...	-51·715	+26·650	-4	46·3496	10·6
...	57·835	+17·497	-1	46·3486	10·6	...	55·297	-14·596	-5	...	...	*	51·608	-9·716	1·35	47·3168	9·6
...	57·789	+24·607	1·00	46·3487	10·5	...	55·282	+16·851	-3	...	...	...	51·336	-50·347	-5	M	...
...	57·767	+51·470	-5	...	...	...	55·179	-38·032	-4	...	...	...	51·235	-21·073	-5	47·3170	10·6
*	57·736	-42·228	1·25	47·3155	10·0	+	55·061	+25·599	1·00	46·3493	10·2	...	51·206	+17·298	-4	...	...
II						31						51						
...	-57·639	+48·346	-4	46·3488	10·6	...	-54·599	-56·721	-4	47·3161	10·5	...	-51·082	-37·722	0·95	47·3169	10·4	
...	57·522	+1·894	-5	...	...	*	54·418	-23·226	2·00	47·3162	9·3	...	50·629	-4·661	-4	...	...
*	57·218	-44·239	1·25	47·3156	10·0	...	53·832	-28·566	-5	...	...	S *	50·568	+4·089	5·00	46·3497	6·6
...	57·146	+36·787	-5	...	...	*	53·618	-20·071	1·35	47·3163	9·2	...	50·372	+15·978	-4	...	...
†	56·810	+0·011	0·90	46·3489	10·6	...	53·508	+33·090	-5	...	...	...	50·181	-49·173	-1	47·3171	10·2
...	-56·669	+47·352	-5	...	...	*	-53·473	-7·277	1·20	47·3165	10·0	+	-50·006	+42·378	1·80	46·3498	9·6
*	56·380	+35·817	1·30	46·3490	9·8	+	53·411	+5·074	1·00	46·3494	10·2	†	49·939	-22·944	-5	...	...
+	56·237	-29·945	1·00	47·3158	10·2	†	53·386	-19·837	-5	...	...	...	49·329	-38·409	-4	...	...
...	56·081	-20·055	-5	M	...	...	53·291	+36·905	-5	...	...	*	49·220	+28·196	1·25	46·3500	9·8
...	55·898	-53·220	-2	47·3159	10·6	...	53·193	-3·556	1·00	46·3495	10·2	...	49·157	+5·756	-1	46·3499	10·6	

L measured from I, 211, 395.
C .. " .. 112, 300, 500.Images and réseau diffused.
C.P.D. 47°·3151 obscured by 2nd and 3rd images of 2.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
61-120																		
61	-49°139	-55°956	-5	o	...	121	-38°041	-3°802	1°10	46°3517	10°1	181	-25°258	-29°378	-4	o	...	
...	49°116	+52°261	-5	...	...	...	37°704	+1°699	-4	...	...	...	25°252	+35°328	-5	...	...
...	49°008	-31°587	-1	47.3174	10°5	...	37°422	-30°570	-5	M	...	...	25°065	-44°044	-5	...	...
...	48°934	+12°659	-4	...	...	†	37°160	+34°951	-3	46.3518	10°6	...	25°021	+56°417	-3	45.3585	10°5
...	48°932	+14°331	-1	...	...	...	36°923	-16°181	-5	...	...	*	24°711	+1°199	1°00	46.3534	10°1
...	-48°754	-8°732	-4	...	...	*	-36°244	+36°446	1°25	46.3519	9°6	*	-24°499	+3°934	1°00	46.3535	10°0
...	47°796	-32°547	1°00	47.3175	10°5	*	35°874	-39°622	1°25	47.3185	10°0	*	24°370	+8°419	1°35	46.3536	9°6	
...	47°681	-30°821	-5	...	...	...	35°789	+0°993	-5	...	...	...	24°279	-51°984	-5	M	...
...	47°388	-36°971	-5	M	...	...	35°678	-32°419	-5	...	...	...	23°663	+47°327	-5	M	...
...	47°003	+31°703	-4	...	...	...	35°552	-12°832	0°80	47.3186	10°6	...	23°469	+10°353	0°65	46.3537	10°6
71	-46°998	+55°103	-5	M	...	131	-34°958	+41°763	-5	M	...	191	-23°415	-33°917	-4	...	...
*	46°893	+16°340	2°00	46.3501	9°2	...	34°366	-42°715	-5	M	...	...	23°302	-6°965	-4	...	...
...	46°793	+45°483	-3	46.3502	10°6	...	34°314	+26°940	-5	...	...	...	22°765	+35°490	-5	M	...
...	46°744	+53°201	-5	...	...	...	34°225	+42°536	0°85	46.3520	10°5	...	22°738	-11°202	-5	M	...
...	46°260	+0°936	0°65	46.3503	10°6	...	34°174	+41°462	0°70	46.3521	10°6	*	22°663	-3°161	1°35	46.3538	9°7	
...	-46°230	-28°752	-4	...	...	...	-34°035	-3°705	-5	...	...	...	-22°274	+35°235	-5	...	...
...	46°190	-35°639	-4	...	...	...	33°968	-55°368	-5	...	...	...	22°219	+42°269	-5	...	...
...	45°890	-25°262	-4	M	...	...	33°767	+37°297	-5	...	...	...	22°110	-7°763	-4	...	...
*	45°731	-55°165	2°00	47.3176	8°9	*	33°667	+17°510	1°20	46.3522	9°8	...	21°711	-7°164	-5	...	...
†	45°108	+38°234	-4	...	...	...	33°027	+7°310	-1	46.3523	10°6	...	21°479	+41°576	0°80	46.3540	10°4
81	-45°102	+33°710	-4	...	...	141	-32°854	-21°206	-5	M	...	201	-21°436	+15°644	1°35	46.3539	10°0
...	44°761	-30°024	-4	...	...	...	32°749	+2°046	-4	...	...	...	21°318	-48°573	-4	M	...
...	44°388	+1°552	0°95	46.3504	10°5	...	31°977	-49°007	-5	...	...	...	21°219	-48°169	-5	M	...
...	44°177	+11°764	-5	...	...	...	31°692	+8°018	-4	...	...	...	21°079	+30°647	-5	...	...
*	43°936	+44°842	-4	...	...	...	31°582	-29°337	0°70	47.3188	10°6	...	20°722	-10°320	-4	...	...
...	43°762	+42°472	1°25	46.3505	10°0	*	-31°500	-19°486	2°00	47.3189	9°2	...	-20°674	+10°377	-5	...	...
...	43°500	-18°296	-5	...	...	...	31°419	-42°791	-3	...	...	...	20°477	-55°496	0°70	47.3197	10°4
*	43°436	-13°847	1°30	47.3178	9°6	...	31°079	+33°501	-1	...	...	...	20°327	-17°021	1°00	47.3198	10°2
*	43°301	-33°308	1°80	47.3177	9°6	S *	30°962	+33°326	2°00	46.3524	9°1	...	20°288	-10°674	-2	...	...
*	43°260	+23°157	2°00	46.3506	8°6	...	30°678	+3°606	-5	...	...	...	20°221	+13°698	0°80	46.3541	10°5
91	-43°005	-19°260	1°00	47.3179	10°1	...	151	-30°538	-29°595	-5	211	-19°984	-24°645	1°20	47.3199	9°4
...	42°455	+30°724	-4	...	...	...	30°533	+3°093	-4	...	...	*	19°919	-28°184	1°00	47.3200	10°0
S*	42°420	-0°528	2°90	46.3507	8°3	...	30°532	+20°568	1°00	46.3525	10°1	+	19°902	+34°904	1°00	46.3542	10°0	
...	42°201	+20°299	0°90	46.3508	10°6	...	30°312	-2°861	-5	M	...	*	19°756	-27°882	1°20	47.3201	9°7	
*	41°836	+13°418	1°20	46.3509	9°8	...	30°287	+15°137	-5	...	...	...	19°727	+43°598	-4	...	...
...	41°834	+49°774	-3	46.3511	10°6	+	-30°111	-56°719	2°00	47.3190	9°6	...	-19°677	-47°802	-5	M	...	
...	41°789	+49°323	-5	...	...	+	30°110	+4°687	1°20	46.3526	9°8	†	19°340	+9°963	-5	...	...
...	41°754	+26°091	-5	...	...	†	30°024	-10°732	-4	...	...	*	19°326	-20°566	1°00	47.3202	9°8
...	41°747	-9°607	-5	M	...	...	29°915	-31°260	0°85	47.3191	10°6	...	19°181	+13°649	-3	46.3543	10°6
...	41°646	-57°160	-5	M	...	*	29°868	-4°090	2°40	46.3527	8°9	*	18°972	-39°651	2°00	47.3203	9°3	
101	-41°491	+33°355	-4	...	...	161	-29°864	-24°297	-5	M	...	221	-18°678	+40°909	-5	...	...
...	41°370	+25°645	-5	M	...	...	29°777	-12°661	-4	...	...	...	18°609	+19°216	0°90	46.3544	10°2
*	41°345	-5°749	1°10	46.3510	10°1	...	29°335	-52°225	-3	47.3192	10°6	...	18°419	-26°071	-1	47.3204	10°6	
...	41°255	-53°553	-4	...	...	*	29°220	-47°088	1°50	47.3193	9°8	...	18°410	+32°783	-4	...	...
*	41°239	+21°866	1°40	46.3512	9°4	*	29°003	+11°483	1°15	46.3528	10°0	...	18°241	+0°866	-5	M	...	
...	-41°088	-45°900	-4	...	...	...	-28°429	+58°172	-3	45.3581	10°6	...	-17°712	-5°859	0°90	46.3545	10°6
...	40°820	-1°886	-5	...	...	*	28°349	-53°731	2°00	47.3194	9°3	†	17°669	-54°769	1°40	47.3205	9°3
...	40°685	+35°757	-5	M	...	*	28°157	+31°522	1°15	46.3529	9°6	...	17°574	+43°914	-5	...	...
*	40°603	+8°136	1°30	46.3513	9°8	...	28°054	-14°152	-5	...	...	*	17°467	+12°695	2°00	46.3546	8°9
*	40°420	+41°944	1°30	46.3514	10°0	*	28°005	+31°907	1°05	46.3530	9°8	*	17°346	-16°512	1°00	47.3206	9°8	
III	-40°356	+49°414	-5	...	...	171	-27°947	+48°051	-5	...	...	231	-17°239	-41°034	-5	...	...
...	39°838	+33°860	0°70	46.3515	10°4	...	27°839	-25°560	-3	...	...	...	17°185	-40°878	-5	...	...
*	39°636	-24°166	2°60	47.3181	8°9	...	27°779	+27°557	-1	46.3531	10°6	*	17°184	+13°968	1°00	46.3547	10°0	
*	39°073	+37°827	1°00	46.3516	10°1	...	26°898	+1°128	-5	M	...	...	17°126	-53°878	-2	47.3207	10°6
...	38°981	-10°337	-4	M	...	...	26°728	+36°497	-5	...	...	*	16°937	+40°642	1°30	46.3548	9°8
...	-38°876	-46°429	0°95	47.3182	10°5	...	-26°070	+39°368	-5	...	...	...	-16°334	+49°238	-5	...	...
...	38°707	-24°104	-5	...	...	*	26°035	+34°701	1°30	46.3533	9°4	...	16°249	-24°298	-4	...	...
*	38°436	-13°631	1°10	47.3183	10°0	...	25°993	-4°302	0°70	46.3532	10°5	...	15°954	+48°128	-5	...	...
...	38°360	+11°497	-3	...	...	*	25°979	-36°924	2°00	47.3195	9°4	...	15°606	+47°784	-4	...	...
...	38°060	-14°808	0°70	47.3184	10°4	...	25°550	-40°279	1°00	47.3196	10°4	...	15°531	-32°698	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
241-300																		
241	-15.349	-45.893	-5	M	...	301	*	+ 0.434	-55.994	1.20	47.3219	10.0	361	+ 13.696	-53.410	-5
*	14.661	-48.814	1.15	47.3208	10.1	...	0.538	+33.456	1.00	46.3562	10.2	...	13.944	-42.286	1.45	47.3235	9.7	
...	14.360	+26.370	-1	46.3549	10.6	...	0.633	-39.535	-4	m	...	...	14.026	-39.522	1.20	47.3236	9.8
...	13.967	-36.320	-5	M	...	...	0.876	-58.398	-2	47.3220	10.6	...	14.316	-38.211	1.60	47.3237	9.4
...	13.959	+ 7.474	-4	...	...	...	1.561	+31.263	0.80	46.3563	10.5	...	14.327	-29.107	-3	...	...
...	-13.897	+25.646	-5	...	...	...	+ 1.675	+15.905	-5	...	...	...	+ 14.331	+59.121	-5	...	...
...	13.840	+14.655	0.95	46.3550	10.5	...	1.761	+ 9.299	-5	M m	...	...	14.654	+27.237	1.00	46.3576	10.0
...	13.704	-17.009	-5	M	...	...	1.850	-37.436	-5	M m	...	...	14.714	+10.599	-5	...	...
S *	13.620	-18.994	2.80	47.3209	8.6	...	1.987	-37.125	-4	...	...	...	14.779	+55.459	-5	45.3654	10.6
*	13.536	-4.539	1.25	46.3551	10.0	...	2.095	+25.970	0.90	46.3564	10.5	...	14.795	+28.353	4.00	46.3577	7.6	
251	-13.396	+ 8.480	-4	311	*	+ 2.123	-51.753	1.00	47.3221	10.1	371	+ 14.915	-30.990	-5
...	13.327	+20.109	-5	...	...	...	2.168	-45.242	-5	m	...	...	15.016	+39.243	1.80	46.3578	9.3
...	13.027	-28.524	-4	...	...	S *	2.226	+13.030	4.00	46.3565	7.6	...	15.062	-23.673	-5	m	...
...	12.681	-8.672	-3	...	...	...	2.945	-41.437	-4	...	...	...	15.063	-53.981	-5	...	...
...	12.187	-35.649	-3	...	...	...	3.238	+ 0.315	-5	M m	...	...	15.316	-41.381	-4	...	...
...	-12.037	+ 7.779	0.90	46.3552	10.5	...	+ 3.479	+ 2.695	0.65	46.3566	10.6	...	+ 15.678	+ 7.426	-5	m	...	
...	11.586	+58.838	-1	45.3003	10.4	...	3.487	-48.229	-2	47.3222	10.6	...	16.065	+34.639	-1	46.3579	10.6	
...	11.423	+ 4.760	0.65	46.3553	10.5	...	3.894	-13.646	-5	M m	...	...	16.126	-3.173	-4	m	...
*	11.252	+ 5.335	1.00	46.3554	10.1	...	4.115	+ 2.602	-5	M m	...	...	16.141	-32.423	-5	...	...
+	10.189	-3.762	1.00	46.3555	10.1	...	4.240	+42.863	0.70	46.3567	10.4	...	17.058	+16.998	-5	...	...
261	-10.156	+13.327	-5	321	*	+ 4.437	+22.854	-5	+ 17.099	+25.666	1.40	46.3580	9.4
+	9.850	+10.083	1.15	46.3556	9.6	...	4.797	-17.507	1.00	47.3223	10.4	...	17.524	-42.197	-3	...	...
+	9.814	-23.904	0.90	47.3210	10.5	S *	5.192	-33.046	3.00	47.3224	8.0	...	17.617	+ 2.342	-5	...	...
...	9.729	+ 5.281	-5	M	...	...	5.408	+15.334	-5	...	...	...	17.668	+39.067	-2	46.3581	10.6
...	9.510	+48.657	-5	...	...	S *	5.573	+46.881	2.60	46.3568	8.6	...	17.699	-27.177	-3	...	...
...	-9.454	+28.059	-4	...	...	+	5.781	-59.563	2.00	47.3225	9.2	...	+ 17.860	-40.072	-4	...	...
...	9.241	+18.036	0.65	46.3557	10.6	...	5.922	+14.113	-5	M	...	...	17.887	+16.110	1.05	46.3582	10.0
...	9.128	+42.758	-4	...	...	...	6.122	-17.929	0.65	47.3226	10.6	...	17.991	+ 7.461	-4	...	...
...	9.059	-56.630	-5	...	...	...	6.596	+41.560	-4	...	...	...	18.651	-44.107	-5	m	...
...	8.837	-11.904	-4	m	...	...	7.028	+23.395	-5	...	...	...	18.777	-47.345	-3	...	...
271	-8.825	+ 5.560	-5	M	...	331	*	+ 7.642	+43.940	-4	+ 19.620	+12.839	-5
...	8.566	-40.590	0.65	...	...	...	7.716	+54.064	-5	...	...	...	19.621	-25.264	-2	...	...
*	8.184	+49.792	1.00	46.3558	10.2	*	7.809	-44.979	1.30	47.3228	9.6	...	19.704	+ 1.128	-5	...	...
...	8.140	+36.769	-5	M	...	...	7.820	+ 5.225	-4	...	...	...	19.717	+26.268	1.80	46.3583	9.6
...	8.060	+21.318	-5	...	...	...	8.030	+11.647	-5	...	...	...	19.959	+11.849	1.20	46.3584	9.8
...	-7.835	-15.231	-2	...	...	+	8.120	-31.504	0.70	47.3229	10.5	...	+ 20.062	-44.029	-5	...	...
S *	7.519	-55.655	2.20	47.3212	8.5	...	8.368	-50.040	-5	m	...	...	20.165	-47.053	1.80	47.3240	9.4
...	7.503	-12.560	-4	...	...	*	8.378	-47.517	0.95	47.3230	10.4	S *	20.637	-8.597	3.85	47.3241	7.9
...	7.331	-53.610	-5	M m	...	†	8.757	+59.825	-4	45.3646	10.6	*	21.207	-45.206	1.15	47.3242	10.0	
...	7.138	+38.960	-5	...	...	...	8.832	+12.044	-3	46.3569	10.6	...	21.535	-29.518	0.80	...	...
281	-6.938	-40.306	-5	M m	...	341	*	+ 8.929	+12.607	-5	+ 21.551	- 1.926	-2
...	6.641	+40.870	-5	...	...	...	9.099	-12.577	1.25	47.3231	9.6	...	21.564	+28.380	-5	...	...
...	6.371	-44.908	1.00	47.3213	10.5	*	9.226	+56.552	1.20	45.3647	9.8	...	22.065	+19.093	-5	...	...
...	6.118	+46.749	-5	...	...	*	9.401	+23.701	1.20	46.3570	9.8	...	22.738	-34.777	-5	m	...
*	5.890	-55.640	1.20	47.3215	9.6	...	9.435	+10.368	-4	...	...	...	22.796	-8.780	1.80	47.3243	9.2
...	5.854	-4.124	0.90	46.3559	10.4	...	9.928	+ 9.432	-3	46.3571	10.6	...	+ 22.970	-36.316	0.80	...	...
...	5.676	-45.945	1.00	47.3216	10.6	...	10.526	+46.292	-1	46.3572	10.6	...	22.978	+38.944	0.65	...	...
...	5.669	-55.965	-5	...	...	*	11.192	+12.571	1.00	46.3573	10.1	*	23.094	-43.018	1.20	47.3244	10.0
...	5.024	-39.745	-5	M m	...	...	11.364	-16.261	0.70	47.3233	10.6	...	23.129	-41.230	-5	m	...
*	4.590	-45.931	1.20	47.3217	10.0	...	11.869	-42.584	-5	m	...	...	23.234	-55.677	-1	47.3245	10.5
291	-4.316	+28.235	-5	351	*	+11.916	-25.232	-5	m	+ 23.286	-34.364	-5	m	...
...	4.311	-20.027	0.90	47.3218	10.6	*	12.122	+58.948	1.20	45.3653	10.0	...	23.864	+ 0.419	-3	...	...
...	4.049	+54.779	-5	...	...	*	12.182	-11.920	2.20	47.3234	8.7	*	24.157	+10.142	1.35	46.3585	9.2
...	3.283	+56.673	-5	...	...	...	12.331	+56.953	-5	...	...	...	24.186	+39.773	-5	...	...
*	2.182	+14.393	2.00	46.3560	8.8	†	12.370	+24.984	-5	...	...	...	24.304	+18.957	-1	46.3586	10.5
...	-1.843	+42.936	-5	...	...	...	+12.732	-23.141	-5	...	...	...	+24.380	+ 1.394	-5	m	...
...	1.553	+ 3.871	-5	M m	...	...	12.836	-29.660	-5	...	...	...	24.410	-32.184	-4	...	...
*	1.528	+16.497	1.00	46.3561	10.1	*	13.014	+41.232	2.00	46.3574	9.2	...	24.922	-22.523	-4	...	...
...	-0.753	+56.936	-5	...	...	...	13.124	+45.826	-1	46.3575	10.6	...	24.944	+11.986	-5	...	...
...	+ 0.049	-26.966	-5	M m	...	...	13.130	+57.986	-5	...	...	*	25.255	-45.081	1.15	47.3246	10.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
421-480																		
42 ^I	+25·287	+16·558	1·00	46·3587	10·2	48 ^I	+35·796	+1·698	-4	...	...	...	54 ^I	+49·160	-51·850	5·00	47·3276	7·3
...	25·335	-44·198	-1	47·3247	10·6	...	36·373	-1·120	-4	...	...	...	...	49·480	-8·236	0·70	47·3275	10·6
...	25·356	+59·061	-4	45·3675	10·6	...	36·558	+18·958	-5	...	...	...	...	49·537	+32·711	2·20	46·3616	8·9
...	25·496	+6·643	-5	...	...	...	36·562	-15·548	-5	...	...	...	...	49·794	-37·778	1·20	47·3277	9·8
...	25·552	+36·840	-5	...	...	...	36·853	+52·806	-5	...	...	...	...	49·968	-42·312	1·35	47·3278	9·6
...	+25·615	-9·104	0·70	47·3248	10·6	...	+36·877	-59·126	-5	m	...	...	...	+50·046	+29·891	-5	...	...
...	25·839	-9·795	0·70	...	...	...	37·022	+17·655	2·00	46·3604	9·1	...	...	50·112	+36·601	-5	...	...
...	26·064	+31·218	-1	46·3588	10·6	...	37·308	+29·279	-5	...	...	...	...	50·345	+4·313	-1	46·3617	10·5
...	26·073	-25·220	-5	m	...	...	37·465	-19·445	0·90	47·3262	10·5	...	...	50·417	-37·478	-5	...	...
...	26·237	-21·123	-4	...	...	...	37·520	-34·773	-4	...	...	...	...	50·784	+21·536	-5	...	...
43 ^I	+26·299	-44·239	1·00	47·3249	10·6	49 ^I	+37·716	+3·825	1·20	46·3605	10·1	...	...	+50·971	+57·767	-1	45·3718	10·6
...	26·458	-49·051	-4	...	...	...	38·149	+58·814	-5	...	...	...	...	51·453	-41·321	0·70	47·3279	10·2
...	26·505	-37·324	1·00	47·3250	10·6	...	38·365	-32·215	-5	...	...	...	...	51·491	+30·738	0·70	...	...
...	26·856	-52·889	-5	...	...	...	38·463	+40·022	1·10	46·3606	10·0	...	...	52·139	+30·811	5·00	46·3618	6·8
...	26·983	-44·248	1·00	47·3252	10·5	...	38·467	+2·500	-4	...	...	...	...	52·141	-13·246	1·30	47·3280	9·8
...	+27·123	+14·665	1·05	46·3589	10·1	*	+38·479	-2·593	2·80	46·3607	8·9	*	*	+52·162	+14·057	1·00	46·3620	10·0
...	27·231	-46·266	-5	m	...	...	38·881	-33·511	-1	47·3263	10·6	...	...	52·255	-30·098	-5	...	...
...	27·235	-30·685	-4	m	...	...	39·099	-0·545	-5	m	...	...	...	52·449	+42·643	1·60	46·3619	9·7
...	27·360	-1·069	-5	m	...	*	39·354	+34·194	3·00	46·3608	8·6	*	*	52·526	-42·523	1·80	47·3281	9·3
+	27·487	-14·952	0·70	47·3253	10·6	...	39·918	-56·153	-5	...	...	...	...	53·023	+25·762	1·80	46·3622	9·2
44 ^I	+28·082	-3·832	-4	...	...	50 ^I	+40·035	+56·636	-5	...	...	...	56 ^I	+53·094	+49·023	-4	46·3621	10·6
...	28·234	-23·295	-4	...	...	*	40·122	+34·574	3·00	46·3609	8·2	*	*	53·933	+21·767	2·80	46·3624	8·0
...	28·527	+8·552	-4	...	...	†	40·213	-24·849	-5	m	...	...	...	54·259	+45·060	0·65	46·3623	10·2
...	28·528	-24·141	-3	...	...	...	40·579	-27·645	-4	47·3264	10·6	*	*	54·291	-35·958	1·20	47·3283	9·7
...	28·529	-46·279	-1	47·3255	10·6	*	40·737	+4·489	1·05	46·3610	10·1	†	*	54·421	-9·877	-3	47·3282	10·6
...	+28·637	-40·753	1·20	47·3254	10·2	†	+40·896	+34·941	-5	...	...	...	...	+55·341	-56·127	0·90	47·3285	10·1
...	28·685	-22·917	-4	...	...	...	41·041	+4·284	-5	...	...	...	...	55·403	+24·744	-5	...	...
...	* 28·830	+7·246	1·90	46·3591	9·2	*	41·336	-19·555	1·50	47·3265	9·3	...	...	55·415	-43·704	1·10	47·3284	10·0
...	28·853	-4·140	-4	m	...	...	41·890	-48·223	1·00	47·3266	10·4	...	...	55·470	-25·764	-5	...	...
...	28·882	+51·739	-5	...	...	...	42·117	-56·460	-4	47·3267	10·6	...	...	55·709	-24·068	-5	...	...
45 ^I	+28·952	+46·576	2·00	46·3590	9·4	51 ^I	+42·369	-26·708	-4	...	...	...	57 ^I	+56·234	-40·791	-5	...	...
*	29·179	-13·756	3·00	47·3256	8·3	...	42·519	-47·377	-5	...	...	...	...	56·406	+4·995	-5	...	...
...	29·222	-30·839	-4	...	...	...	42·559	-22·323	-5	...	...	...	...	56·446	-36·935	-5	...	...
...	29·674	-1·549	0·65	...	...	...	42·564	-50·117	-5	...	...	...	...	57·029	+11·536	-5	...	...
†	29·759	+12·804	2·40	46·3593	8·8	*	42·616	+16·685	1·15	46·3611	10·0	*	*	57·054	+28·198	1·80	46·3625	9·2
†	+29·859	+39·510	2·00	46·3592	9·2	...	+42·983	+27·143	-4	...	...	...	...	+57·396	-12·026	-5	...	...
...	30·100	+26·619	-5	...	...	...	43·229	+21·871	-4	...	...	...	...	57·438	-12·223	1·00	47·3286	10·0
...	30·158	-19·303	1·00	47·3257	10·1	*	43·365	-54·055	1·20	47·3269	9·8	*	*	57·837	+42·216	1·50	46·3626	9·2
...	30·489	-3·475	0·90	46·3594	10·6	*	43·679	-20·736	1·70	47·3268	9·4	...	...	58·423	+19·643	-3	46·3627	10·6
...	30·501	-19·422	-4	...	...	...	43·732	-41·045	-5	...	...	...	...	58·773	+19·434	-3	...	...
46 ^I	+30·535	-9·639	-4	...	...	52 ^I	+43·781	-18·481	-5	...	...	...	58 ^I	+59·162	-50·281	1·20	47·3288	9·8
...	30·933	+15·809	-5	...	...	*	43·815	+19·723	-5	...	...	...	*	+59·162	-50·281	1·20	47·3288	9·8
...	31·076	+5·593	-4	...	...	...	43·947	+5·810	-4	...	...	...	...	44·975	+6·354	2·90	46·3613	8·2
...	31·205	-9·190	1·30	47·3258	9·6	...	44·162	+41·310	0·90	46·3612	10·4	...	...	45·100	+26·930	-5	...	...
...	31·338	+22·384	-4	...	...	...	44·572	-9·636	-3	...	...	...	...	45·644	-11·196	1·60	47·3271	9·2
...	+31·386	+30·073	-5	...	...	S ^I	+44·839	-15·023	2·40	47·3270	8·1	...	...	45·809	-15·707	1·00	47·3272	10·1
...	31·605	+23·818	-5	...	...	*	44·975	+6·354	2·90	46·3613	8·2	...	...	46·691	-9·197	-5	m	...
S*	31·851	+6·203	3·20	46·3596	7·8	...	45·100	+26·930	-5	...	...	...	...	46·801	+20·150	-5	...	...
*	32·161	+47·805	1·00	46·3595	10·0	*	45·644	-11·196	1·60	47·3271	9·2	...	...	47·362	-26·271	1·10	47·3274	9·6
...	32·179	-15·124	0·90	47·3259	10·6	*	45·809	-15·707	1·00	47·3272	10·1	...	...	47·675	-13·617	-5	...	...
47 ^I	+32·250	+40·972	-5	...	...	53 ^I	+46·195	-44·559	0·85	47·3273	10·2	...	...	47·922	-28·080	-5	...	...
...	33·013	+52·017	-4	...	...	...	46·531	-41·899	-5	...	...	...	...	48·691	-9·197	-5	m	...
...	33·059	+40·774	-2	46·3597	10·6	...	46·691	-9·197	-5	...	...	...	...	48·801	+20·150	-5	...	...
...	33·167	+13·189	1·00	46·3598	10·1	...	46·801	+20·150	-5	...	...	...	...	47·362	-26·271	1·10	47·3274	9·6
+	34·729	-52·114	1·15	47·3261	9·6	*	47·362	-26·271	1·10	47·3274	9·6	...	...	47·675	-13·617	-5	...	...
+	+35·234	+39·841	3·00	46·3599	8·2	...	+47·497	-27·874	-4	...	...	...	...	47·922	-28·080	-5	...	...
*	35·586	+33·818	1·40	46·3600	9·4	...	47·675	-13·617	-5	...	...	...	...	49·025	+45·763	1·20	46·3614	9·8
*	35·674	+42·099	-2	46·3602	10·6	...	47·922	-28·080	-5	...	...	...	...	49·051	+13·933	1·40	46·3615	9·7
...	35·772	+44·149	2·00	46·3601	9·4	*	49·025	+45·763	1·20	46·3614	9·8	...	...	49·051	+13·933	1·40	46·3615	9·7
...	35·793	+9·001	0·80	46·3603	10·6	*	49·051	+13·933	1·40	46·3615	9·7	...	...	50·784	+21·536	-5	...	...

554. Remeasure 1914, $y = 30' \cdot 824$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
1-60																	
I	-59.471	+41.074	-4	46.3612	10.4	R	-37.167	+30.792	-5	...	...	121	-19.682	+16.865	0.70	46.3654	10.2
...	58.904	-48.486	-4	47.3266	10.4	...	37.154	-31.957	1.00	47.3298	10.1	...	19.152	+26.550	0.95	46.3655	10.1
R	58.416	-56.732	-5	47.3267	10.6	R	36.857	+31.798	-5	...	...	...	18.532	-35.123	-5	...	...
*	57.979	-20.956	1.80	47.3268	9.4	...	36.603	+21.771	-4	46.3633	10.6	R	17.932	+48.425	-5	...	...
*	57.543	+6.164	2.10	46.3613	8.2	...	36.469	-19.522	-2	47.3300	10.6	...	17.448	+18.632	-5	...	...
S	-57.246	-54.274	1.00	47.3269	9.8	...	-36.075	+4.322	-2	46.3634	10.6	...	-17.207	-33.952	-4	...	...
+	57.002	-15.232	2.00	47.3270	8.1	...	35.944	-43.807	1.00	47.3301	10.1	...	17.137	+14.234	-3	46.3656	10.6
+	56.322	-11.373	1.20	47.3271	9.2	R n†	35.707	-5.161	-5	46.3635	10.6	...	16.944	-30.937	1.30	47.3331	9.4
...	56.003	-15.875	1.00	47.3272	10.1	R n†	35.609	-5.139	-5	46.3635	10.6	...	15.731	+13.970	-4	46.3657	10.6
...	54.766	+45.677	-1	46.3614	9.8	...	35.504	+2.762	-2	46.3636	10.6	...	15.261	+47.140	1.00	46.3658	9.8
II						71						131					
†	-54.723	-44.693	-4	47.3273	10.2	R n†	-35.494	-5.131	-5	46.3635	10.6	...	-14.692	-6.356	1.20	46.3659	9.4
...	54.137	-26.374	1.00	47.3274	9.6	...	35.269	-8.969	-4	...	...	...	14.493	+36.813	-5	46.3660	10.6
...	53.949	-27.987	-5	...	...	†	34.844	-6.428	-2	46.3637	10.6	...	14.444	+53.817	1.05	45.3758	9.8
*	53.828	+32.640	1.90	46.3616	8.9	S *	34.797	-54.824	1.40	47.3303	9.3	...	13.847	+14.448	-5	...	...
R	-53.184	+57.725	-5	45.3718	10.6	...	34.550	+16.074	-3	46.3639	10.6	...	-13.793	+42.543	0.70	46.3661	10.2
...	52.586	-8.287	0.65	47.3275	10.6	*	33.453	-37.361	2.00	47.3305	8.9	...	13.455	+5.306	0.95	46.3662	10.0
...	52.127	+4.281	-2	46.3617	10.5	*	33.300	+27.022	2.00	46.3640	8.8	...	13.145	-18.357	1.10	47.3334	9.4
S *	51.819	+30.753	-5	...	...	...	33.051	+6.260	-5	...	...	...	12.562	-52.263	2.60	47.3335	8.0
S *	51.508	-51.897	4.35	47.3276	7.3	...	33.047	+30.448	-4	46.3641	10.6	...	11.029	-12.583	0.65	47.3336	10.1
21						81						141					
*	-51.340	-37.799	1.05	47.3277	9.8	...	-32.986	+35.388	-3	46.3642	10.4	...	-11.013	-6.590	-4	47.3337	10.5
...	51.230	+42.667	1.10	46.3619	9.7	*	32.618	-50.299	1.10	47.3306	9.3	...	11.003	+18.209	-1	46.3663	10.2
S *	51.145	+30.834	4.00	46.3618	6.8	...	32.466	-24.828	0.90	47.3308	10.2	...	11.002	+39.447	-5	46.3664	10.6
*	51.015	-42.323	1.30	47.3278	9.6	*	32.444	-50.698	2.20	47.3307	8.6	...	9.984	-58.658	1.05	47.3338	9.8
R	50.802	+49.059	-5	46.3621	10.6	...	32.390	-50.469	-3	...	...	N *	9.538	+57.557	0.90	45.3765	10.0
...	50.739	-37.497	-5	...	...	*	31.876	-15.761	1.00	47.3310	9.8	...	9.006	-39.934	0.65	47.3339	10.1
...	50.600	+14.075	1.00	46.3620	10.0	...	30.786	-52.641	-4	47.3312	10.6	...	8.857	-21.738	-1	47.3340	10.4
*	50.137	+25.805	1.40	46.3622	9.2	...	30.492	+18.208	-3	...	...	S *	8.262	+45.574	2.00	46.3665	8.8
+	49.768	-13.202	1.00	47.3280	9.8	R †	30.025	+52.704	-4	46.3643	10.5	...	7.784	-38.504	-1	47.3341	10.6
+	49.561	-41.291	-2	47.3279	10.2	...	29.138	-23.003	-5	47.3313	10.6	...	7.414	-42.360	-3	47.3342	10.6
31						91						151					
*	-49.522	+45.155	-4	46.3623	10.2	...	-28.754	-46.666	0.70	47.3314	10.4	...	7.321	-4.003	-3	46.3666	10.6
*	49.078	+21.845	2.80	46.3624	8.0	*	28.542	+27.121	1.25	46.3644	9.2	...	7.156	+1.651	0.70	46.3667	10.1
*	48.459	-42.452	1.80	47.3281	9.3	...	28.196	+24.458	1.00	46.3645	9.1	...	5.795	-54.884	1.05	47.3343	9.6
...	47.593	-9.773	-4	47.3282	10.6	*	28.076	+24.568	1.10	46.3646	9.6	...	5.432	-12.186	0.70	47.3344	10.2
*	46.916	-35.839	1.00	47.3283	9.7	*	27.570	+23.950	1.10	46.3646	9.6	...	5.212	+40.771	-4	46.3668	10.5
*	-46.177	+28.371	2.00	46.3625	9.2	*	-27.212	-24.448	1.00	47.3315	10.0	...	4.588	+49.619	-2	46.3669	10.2
*	45.837	+42.397	1.60	46.3626	9.2	...	27.088	-20.437	-3	47.3317	10.5	R	3.636	+55.810	-5	45.3774	10.6
...	45.535	-43.545	1.00	47.3284	10.0	R	26.950	-57.938	-5	47.3316	10.6	...	3.523	-29.669	0.70	47.3345	10.2
...	45.194	-55.967	-1	47.3285	10.1	...	26.452	+51.341	-3	46.3647	10.2	...	3.477	+48.454	-2	46.3670	10.4
...	44.576	-11.825	-5	...	...	...	26.004	+33.414	-4	46.3649	10.6	...	2.722	-54.778	-4	47.3346	10.6
41						101						161					
...	-44.539	+19.875	-4	46.3627	10.6	...	-25.933	-36.540	-3	47.3319	10.6	...	-2.260	-37.969	-4	47.3347	10.6
...	44.516	-12.030	0.95	47.3286	10.0	...	25.923	+10.155	-2	46.3648	10.4	...	2.182	+7.704	0.70	46.3671	10.2
R	44.190	+19.655	-5	...	...	...	25.571	+36.882	-4	46.3650	10.6	...	1.317	-43.786	0.90	47.3348	10.1
*	42.080	-18.126	1.00	47.3287	9.7	...	25.518	-35.745	-1	47.3320	10.2	...	-1.246	-18.090	-4	47.3349	10.5
+	41.588	-49.998	1.05	47.3288	9.8	R	25.138	-19.494	-1	47.3321	8.5	...	+0.264	-51.305	1.00	47.3351	10.2
...	-41.291	+52.433	-4	46.3629	10.4	+	-24.906	-19.757	1.50	47.3321	8.5	...	+1.346	+47.132	1.00	46.3672	9.8
...	41.238	-42.185	1.00	47.3289	10.0	...	24.181	-21.160	-3	47.3322	10.5	...	1.782	-45.481	1.50	47.3353	8.9
...	40.965	+25.576	-3	46.3628	10.6	R	23.973	+43.878	-5	...	...	...	1.829	-6.819	1.00	47.3354	10.1
*	40.435	-10.563	1.30	47.3290	9.4	...	23.283	+27.802	-4	46.3651	10.6	...	2.041	-2.728	1.10	46.3673	9.4
R	40.350	+22.701	-5	...	...	R	23.191	-58.785	-5	47.3323	10.6	...	2.044	+56.308	-5	...	...
51						111						171					
...	-40.331	-19.012	-3	47.3291	10.6	*	-22.957	-49.883	1.00	47.3324	10.0	...	+2.153	-41.084	1.00	47.3355	10.2
...	39.190	-50.065	-3	47.3292	10.4	...	22.381	-45.066	-3	47.3325	10.5	*	2.797	+1.072	1.70	46.3674	9.0
...	38.576	-32.078	-4	47.3293	10.5	*	21.892	+41.245	1.10	46.3652	9.7	...	2.998	-11.618	-4	47.3356	10.6
*	37.872	-51.623	1.05	47.3294	9.8	R	21.488	+4.603	-4	...	...	R	3.070	+58.255	-5	45.3783	10.6
...	37.642	+24.993	-5	46.3630	10.6	...	21.372	-19.412	-2	47.3326	10.6	...	3.724	-55.553	-1	47.3357	10.4
...	-37.597	+52.486	1.00	46.3632	9.7	S *	-21.296	-7.683	1.15	47.3327	9.2	S *	+4.512	-51.056	2.70	47.3358	7.9
...	37.553	-33.420	0.80	47.3295	10.2	...	20.590	-16.124	-5	...	...	...	4.672	+34.780	1.30	46.3675	9.3
...	37.482	+5.922	1.00														

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
181-240																		
181	+ 6.023	+ 36.340	- 4	46.3677	10.6	241	+ 27.089	- 19.104	- 4	47.3378	10.6	301	+ 45.911	- 55.663	- 5	47.3397	10.4	
...	6.581	- 51.102	- 1	47.3360	10.2	...	* 27.297	- 30.831	4.00	47.3379	7.5	S *	46.076	+ 7.928	2.00	46.3735	8.6	
...	6.591	- 17.935	- 4	...	...	...	* 27.326	+ 19.791	1.00	46.3705	9.8	S *	46.114	+ 40.397	2.00	46.3733	8.8
...	7.026	- 6.512	- 4	46.3678	10.6	...	27.342	+ 14.600	- 2	46.3707	10.6	...	46.406	+ 9.010	1.10	46.3736	9.4	
...	7.443	- 37.845	- 4	47.3361	10.6	...	27.390	+ 19.466	0.95	46.3706	10.1	...	46.407	+ 51.090	0.70	46.3734	9.8	
...	+ 7.709	- 51.730	- 1	47.3362	10.4	...	+ 27.827	- 22.614	- 4	...	...	+	+ 46.425	- 38.406	1.25	47.3398	9.5
*	7.802	+ 8.704	0.95	46.3679	10.2	*	28.098	+ 35.464	1.15	46.3708	9.6	...	46.681	- 19.019	- 4	...	...
*	8.469	+ 23.092	1.20	46.3680	9.4	...	28.379	+ 37.385	- 5	...	...	...	47.135	+ 14.162	- 4	46.3737	10.4
...	8.540	+ 30.564	0.65	46.3681	10.6	†	28.996	+ 14.909	0.90	46.3709	10.4	...	47.231	+ 9.677	- 4	46.3738	10.4	
...	8.987	+ 23.280	- 5	...	...	...	29.450	- 14.732	0.90	47.3380	10.2	...	47.338	+ 9.378	- 4	46.3739	10.4
191	+ 9.077	+ 7.813	- 1	46.3682	10.6	251	+ 30.131	- 15.022	- 5	47.3381	10.6	311	+ 47.400	+ 28.780	- 5	...	...
S +	9.823	+ 58.550	2.40	45.3791	8.6	...	30.446	+ 23.289	- 3	46.3710	10.4	S *	48.476	- 37.955	2.00	47.3400	9.0	
R †	9.870	+ 54.066	- 5	45.3793	10.6	...	30.456	+ 42.886	- 5	...	...	*	48.553	- 28.157	2.00	47.3399	8.8
...	10.096	+ 36.520	- 5	...	...	...	30.481	+ 3.285	- 1	46.3711	10.5	...	49.362	+ 24.089	- 3	46.3740	10.2
*	10.324	- 35.691	1.20	47.3364	9.6	...	30.632	- 14.236	- 5	...	...	...	49.646	+ 15.535	- 3	46.3742	10.4
...	+ 10.586	- 50.253	- 4	47.3365	10.6	*	+ 31.187	+ 10.325	2.10	46.3712	8.4	...	+ 50.028	+ 31.868	- 3	46.3741	10.1	
...	11.302	+ 47.647	- 4	46.3683	10.6	...	31.366	+ 25.301	- 5	...	...	*	50.059	- 49.237	1.30	47.3401	9.5
...	11.352	+ 56.009	- 1	45.3796	10.4	...	31.453	- 2.778	1.40	46.3713	8.7	...	50.139	+ 32.093	0.70	46.3743	9.9	
...	11.591	+ 53.498	- 4	46.3684	10.6	*	32.521	+ 48.405	1.05	46.3714	9.8	...	50.168	- 42.536	0.70	47.3402	9.9	
...	12.765	+ 43.985	- 5	...	...	...	32.724	+ 3.892	2.00	46.3715	8.4	...	50.658	- 58.088	1.00	47.3404	9.8
201	+ 13.255	+ 14.494	- 5	261	+ 32.922	- 52.560	- 2	47.3382	10.6	321	+ 50.774	- 12.095	- 5	47.3403	10.4
...	13.421	- 7.247	0.80	47.3366	10.4	...	33.389	+ 53.617	- 1	45.3816	10.0	...	50.778	- 17.016	- 5	...	...
...	14.308	+ 51.423	- 4	46.3685	10.6	*	34.160	+ 56.472	1.80	45.3819	8.9	n	51.023	- 3.385	- 4	46.3744	10.4	
...	14.661	+ 11.538	0.90	46.3686	10.1	*	34.401	- 45.353	2.20	47.3384	8.2	n	51.266	- 3.562	- 5	46.3745	10.4	
*	14.713	- 34.007	1.00	47.3367	10.0	*	34.719	- 12.335	1.00	47.3383	9.6	...	51.881	+ 15.885	- 5	46.3745	10.4	
†	+ 14.977	- 18.871	0.95	47.3368	10.1	...	+ 35.161	- 8.621	0.70	47.3385	10.2	...	+ 52.907	- 50.909	- 3	47.3406	10.1	
...	15.178	+ 4.572	1.00	46.3688	10.4	...	35.539	- 3.210	- 5	...	...	*	52.940	+ 9.478	1.10	46.3746	9.4
...	15.265	+ 48.313	- 5	46.3687	10.6	...	36.010	+ 32.877	- 4	46.3716	10.6	...	53.155	- 9.436	- 2	47.3405	10.4	
...	15.312	+ 38.338	1.00	46.3689	10.0	...	36.209	+ 33.175	- 1	46.3717	10.2	R	55.314	+ 46.458	- 5	46.3747	10.4	
...	15.317	- 39.220	- 4	...	...	...	36.211	+ 0.544	- 4	46.3719	10.6	...	55.665	+ 20.340	- 4	46.3748	10.2
211	+ 15.656	- 0.344	0.70	46.3691	10.6	...	271	+ 36.290	+ 37.627	- 1	46.3718	10.2	331	+ 55.959	- 29.570	- 3	47.3407	10.2
S *	15.767	+ 29.663	1.25	46.3690	9.0	...	36.329	+ 53.483	- 1	45.3820	10.2	...	56.581	- 31.930	0.90	47.3408	9.9	
...	16.296	- 33.406	0.65	47.3369	10.6	*	36.736	- 12.893	1.00	47.3387	10.0	...	58.223	- 8.269	0.70	47.3409	10.1	
...	16.368	- 12.008	- 5	a	...	*	37.194	+ 17.533	2.70	46.3720	7.8	*	58.384	- 47.330	1.40	47.3410	9.3	
*	16.375	- 32.387	- 2	...	...	...	37.412	- 27.945	- 5	a	...	...	59.161	+ 15.404	- 2	46.3750	10.1
+	+ 17.616	+ 37.513	2.00	46.3692	8.7	...	+ 37.576	- 42.861	0.75	47.3388	10.1	...	+ 59.378	- 28.209	- 4	47.3411	10.2	
...	18.273	- 39.334	0.65	47.3370	10.6	R †	38.189	+ 49.754	- 5	46.3721	10.6	...	59.412	+ 10.719	- 3	46.3751	10.2	
...	18.964	- 0.955	0.70	46.3694	10.6	*	38.546	- 4.186	1.10	46.3722	9.6	...	...	...	...	...
...	19.119	+ 52.814	- 1	46.3693	10.4	...	38.672	- 16.968	- 4	47.3389	10.6	...	...	...	...	...
...	19.277	+ 33.034	- 3	46.3695	10.6	...	39.096	- 29.275	- 5	...	...	...	...	...	...	...
221	+ 19.353	- 24.500	1.00	47.3371	9.8	...	281	+ 39.109	+ 4.783	- 2	46.3724	10.4	...	...	...	...	...
S +	19.824	+ 32.319	1.00	46.3696	10.0	...	39.415	+ 36.738	- 5	46.3723	10.6	...	...	...	...	...	...
...	19.904	- 10.062	1.80	47.3373	8.5	...	40.190	+ 56.465	- 4	45.3825	10.4	...	...	...	...	...	...
...	20.237	- 3.403	- 5	...	...	...	40.269	- 48.266	- 5	47.3391	10.6	...	...	...	...	...	...
...	20.372	+ 52.551	- 4	46.3697	10.4	...	40.272	- 28.673	- 1	47.3390	10.5	...	...	...	...	...	...
...	+ 21.207	+ 54.239	- 1	45.3805	10.1	*	+ 40.772	- 51.312	2.00	47.3392	8.6	...	...	...	...	...	...
...	21.639	+ 14.138	- 5	...	...	...	41.330	+ 36.750	- 3	46.3725	10.4	...	...	...	...	...	...
...	21.643	+ 22.024	0.90	46.3698	10.2	...	41.540	+ 3.995	- 5	...	...	...	...	...	...	...	...
*	22.291	+ 10.693	2.00	46.3699	8.7	*	41.705	+ 14.493	1.30	46.3727	9.3	...	...	...	...	...	...
...	22.418	- 40.828	- 4	47.3374	10.6	...	41.713	- 23.696	0.70	47.3393	10.1	...	...	...	...	...	...
231	+ 22.654	+ 45.451	1.30	46.3700	9.6	*	+ 42.096	+ 52.495	2.00	46.3726	9.2	...	...	...	...	...	...
...	22.666	- 16.149	- 4	...	...	...	42.912	- 45.988	- 3	47.3394	10.2	...	...	...	...	...	...
...	22.854	- 34.082	- 2	47.3375	10.6	...	43.622	+ 48.925	0.80	46.3728	10.0	...	...	...	...	...	...
*	23.290	+ 3.951	2.00	46.3701	8.7	...	43.806	+ 59.505	- 5	45.3830	10.1	...	...	...	...	...	...
...	24.505	+ 21.045	- 5	...	...	...	43.974	+ 38.639	- 5	46.3729	10.6	...	...	...	...	...	...
...	+ 24.575	+ 53.226	1.40	46.3702	9.8	...	+ 44.102	- 59.061	- 5	47.3395	10.2	...	...	...	...	...	...
R	25.021	+ 18.327	- 5	46.3703	10.6	*	44.291	- 1.338	1.00	46.3731	10.0	...	...	...	...	...	...
...	25.299	- 14.340	- 3	47.3376	10.6	R	44.967	+ 44.502	- 5	46.3730	10.6	...	...	...	...	...	...
*	25.539	+ 1.643	1.05	46.3704	10.0	...	45.102	- 8.894	0.70	47.3396	9.9	...	...	...	...	...	...
*	26.341	- 53.162	1.00	47.3377	9.8	...	45.176	+ 51.116	0.70	46.3732	10.0	...	...	...	...	...	...

C.P.D. 46°. 3749, not measurable.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
1-60																		
I	-59·901	-51·618	2·50	47·3392	8·6	...	-50·919	-21·767	-4	121	-42·269	+30·492	0·75	46·3754	10·4
+	59·843	-23·984	0·90	47·3393	10·1	...	50·865	+20·553	-5	M	...	*	42·111	+12·461	1·00	46·3753	9·8	
...	59·576	+38·379	-2	46·3729	10·6	†	50·790	-4·806	-5	M	...	...	42·041	-27·926	1·00	47·3411	10·2
...	59·114	-54·978	-5	...	...	*	50·784	-42·535	1·10	47·3402	9·9	...	41·832	-26·412	-5	M	...
...	58·992	-9·468	-5	M	...	*	50·674	-49·253	1·90	47·3401	9·5	†	41·633	+29·994	-4	A	...	
...	-58·784	+44·276	-2	46·3730	10·6	...	-50·554	+13·459	-4	...	...	...	-41·535	+45·767	-5	M	...
*	58·763	+50·888	1·05	46·3732	10·0	...	50·514	-3·645	-5	M	...	†	41·368	+40·067	-4	...	...
*	57·984	-1·557	1·35	46·3731	10·0	...	50·451	+36·270	-3	...	...	...	41·308	+45·973	-5	M	...
...	57·932	-46·213	-2	47·3394	10·2	...	50·176	-3·381	-5	M	...	...	41·299	+11·230	-5	M	...
...	57·886	+28·764	-5	M	...	*	49·798	-58·059	1·10	47·3404	9·8	...	40·827	-42·163	-5	M	...	
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-57·551	+25·631	-4	...	...	*	-49·696	+9·528	1·30	46·3746	9·4	...	-40·769	+37·642	-5	M	...
...	57·548	-21·421	-5	M	...	...	49·618	+9·674	0·70	...	...	...	40·709	+2·168	-5	M	...
*	57·528	+50·908	1·00	46·3734	9·8	...	49·318	-17·252	-5	M	...	...	40·690	+1·239	-5	M	...
S*	57·498	+40·206	2·45	46·3733	8·8	...	49·217	+29·823	-5	M	...	...	40·332	-29·637	-4	B	...
...	57·178	-11·359	-5	M	...	...	48·867	+51·278	-5	M	...	...	40·101	+11·623	0·90	46·3755	10·4
...	-57·171	-8·287	-5	M	...	...	-48·857	-9·364	1·00	47·3405	10·4	†	-40·081	+23·373	-5	M	...
...	56·987	+20·208	-5	...	...	...	48·506	+46·550	-2	46·3747	10·4	†	40·059	-46·731	-5	M	...
*	56·934	-9·085	1·00	47·3396	9·9	...	48·246	+33·974	-4	A	...	...	40·024	+47·275	-3	46·3756	10·2
...	56·674	-8·514	-4	...	...	...	48·184	+20·369	-5	M	...	...	39·948	+46·813	0·80	46·3757	10·1
...	56·515	-3·878	-5	...	...	...	48·079	+16·713	-5	M	...	...	39·939	-36·835	-5	M	...
21	...	...	...	...	81	...	...	...	...	...	...	141	...	...	...	...	...
S*	-56·498	+7·765	2·00	46·3735	8·6	...	-48·038	+46·382	-5	M	...	...	-39·493	-14·240	-5	M	...
...	56·343	-59·236	-2	47·3395	10·2	...	48·036	-39·760	-4	...	...	...	39·486	-11·399	-1	...	...
...	56·263	+35·057	-5	M	...	...	47·802	+27·622	-4	A	...	*	39·462	+30·745	1·25	46·3758	9·4
*	56·190	+8·846	1·40	46·3736	9·4	...	47·773	-50·807	1·00	47·3406	10·1	*	39·460	+36·316	1·40	46·3759	9·5	
...	55·839	+28·650	-4	...	...	...	47·739	+8·940	-5	M	...	...	39·352	-45·117	-5	M	...
...	-55·671	-20·425	-5	M	...	...	-47·298	+20·465	0·95	46·3748	10·2	...	-39·245	+38·556	-5	M	...
...	55·649	+14·015	-1	46·3737	10·4	...	47·019	-11·339	-4	B	...	...	39·095	+38·542	-5	M	...
...	55·393	+9·548	-1	46·3738	10·4	...	47·002	-10·953	-4	B	...	...	39·063	+23·775	-5	M	...
†	55·307	+35·053	-3	...	...	...	46·808	+17·025	-5	M	...	...	38·576	+33·345	-2	...	...
...	55·297	+9·249	-1	46·3739	10·4	...	46·425	-1·035	-4	M	...	...	38·442	-32·235	-5	M	...
31	...	...	...	...	91	...	...	...	...	...	...	151	...	...	...	...	...
†	-55·045	-19·163	-4	...	...	...	-46·344	+1·433	-5	M	...	...	-38·214	+24·893	-5	M	...
†	54·894	-1·133	-5	M	...	...	45·850	+9·499	-4	...	...	*	38·040	+24·893	2·00	46·3760	8·4
...	54·712	-24·289	-5	M	...	...	45·665	+43·614	-5	M	...	...	37·960	+11·535	-5	M	...
*	54·664	-38·530	1·40	47·3398	9·5	...	45·650	-40·781	-4	A	...	...	37·810	+46·598	-2	...	...
...	54·632	-55·798	-2	47·3397	10·4	...	45·630	+48·779	-4	A	...	...	37·777	+56·059	0·90	45·3857	10·0
...	-54·387	+38·098	-5	M	...	...	-45·484	-42·104	-4	...	...	...	-37·724	+12·878	-3	...	...
...	54·063	+49·787	-5	M	...	...	45·405	-29·406	0·85	47·3407	10·2	...	37·560	-26·513	-3	...	...
...	54·035	+31·067	-4	...	...	...	45·212	+29·806	-5	M	...	...	37·494	-3·479	-5	M	...
...	53·865	-53·967	-5	...	...	...	45·092	-2·956	-4	M	...	...	37·371	+28·878	-5	M	...
...	53·858	-11·260	-5	M	...	†	44·983	+48·971	-5	...	...	...	37·100	+12·825	0·70	...	...
41	...	...	...	...	101	...	...	...	...	...	...	161	...	...	...	...	...
...	-53·787	-5·750	-5	M	...	†	-44·937	+25·268	-4	...	...	...	-37·057	+7·377	-5	M	...
...	53·722	+24·020	0·85	46·3740	10·2	*	44·728	-31·724	1·10	47·3408	9·9	...	36·988	-8·130	-3	B	...	
...	53·432	+48·993	-5	M	...	...	44·686	+0·235	-5	...	...	...	36·863	-3·849	-4	B	...
...	53·400	-19·012	-5	M	...	...	44·566	-45·294	-5	M	...	...	36·804	+33·882	0·90	46·3761	10·4
...	53·314	+31·807	0·80	46·3741	10·1	...	44·445	+50·261	-2	46·3749	10·4	*	36·677	+28·706	1·20	46·3762	9·8	
*	-53·208	+32·035	1·10	46·3743	9·9	...	-44·275	+47·848	-5	M	...	...	-36·594	+7·682	-3	A	...
...	53·160	+15·481	0·90	46·3742	10·4	...	44·148	+4·045	-3	...	...	...	36·376	+8·949	-5	M	...
*	52·858	-28·216	2·00	47·3399	8·8	...	43·893	+38·862	-4	A	...	*	36·261	+2·110	1·80	46·3763	9·3	
...	52·677	-22·295	-4	M	...	...	43·881	+0·344	-5	M	...	...	36·083	+30·582	-5	M	...
S*	52·635	-38·019	2·00	47·3400	9·0	*	43·846	-8·054	1·00	47·3409	10·1	...	35·756	+33·424	-3	A	...	
51	...	...	...	...	111	...	...	...	...	...	...	171	...	...	...	...	...
...	-52·541	+13·214	-5	M	...	...	-43·667	+15·652	1·00	46·3750	10·1	...	-35·495	+38·055	0·70	46·3764	10·4
...	52·427	+53·010	-5	M	...	...	43·592	+38·986	-4	...	...	...	35·484	+14·592	-5	M	...
...	51·627	-27·536	-4	...	...	...	43·413	-8·276	-4	M	...	...	35·257	+21·199	-5	M	...
...	51·379	-34·642	-5	M	...	...	43·253	+10·984	1·00	46·3751	10·2	...	35·131	+5·345	-5	M	...
...	51·242	+10·920	-5	M	...	†	43·163	-24·791	-5	M	...	...	35·115	-37·161	-5	M	...
n	-51·188	-3·373	0·70	46·3744	10·4	...	-42·846	+31·434	-5	M	...	...	-35·049	+37·797	-2	46·3765	10·4
...	51·164	-12·099	0·75	46·3403	10·4	...	42·841	+5·568	-4	...	...	...	34·961	+28·149	-5	...	...
...	50·988	-17·009	-3	...	...	...	42·637	+45·620	0·90	46·3752	10·0	...	34·818	+37·512	-4	...	...
...	50·940	+15·899	0·75	46·3745	10·4	*	42·424	-47·055	1·50	47·3410	9·3	...	34·610	+31·370	-5	M	...	
n	50·931	-3·556	-4	46·3744	10·4	...	42·314	+55·986	-4	A	...	...	34·533	-9·474	-4	M	...

L measured from 1, 286, 531.

C " 139, 424, 654.

Images woolly; focus altered 1902·12. Diameters by L erratic; many altered.

56, 60. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
181-240																	
181	-34°443	+4°622	-4	o	...	241	-26°500	-8°628	1°15	47.3425	9°6	301	-18°172	-57°479	-4	o	...
...	34°420	+31°713	-3	46.3767	10°2	...	26°473	+15°610	-3	...	...	...	18°049	-29°687	-4	A	...
...	34°311	+18°070	0°65	46.3766	10°4	...	26°268	+40°119	-5	M	...	...	17°639	+9°978	1°20	46.3790	9°4
...	34°275	-12°395	-5	M	...	...	26°187	-37°239	-4	B	...	...	17°366	-21°453	0°90	...	...
...	34°261	+17°492	-5	M	...	...	26°043	+27°653	1°10	46.3778	9°8	...	17°317	+11°742	-5	...	...
...	-34°232	+43°985	-5	M	...	...	-26°027	+15°948	-5	M	...	...	-17°291	+30°552	-4	M	...
...	34°076	+37°452	-5	M	...	S *	26°026	-1°175	1°90	46.3777	9°2	*	16°816	+27°439	2°00	46.3791	9°2
...	34°005	-38°684	-4	...	...	...	25°878	+32°485	-2	46.3779	10°4	*	16°685	-33°265	1°00	47.3435	10°0
*	33°944	-5°409	1°10	46.3768	9°6	...	25°434	-43°838	-3	...	...	...	16°563	+5°387	-3	...	...
...	33°880	+50°275	-4	A	...	...	25°344	+19°469	-5	...	...	...	16°426	+1°913	-3	...	...
191	241-300																
...	-33°803	-38°343	2°90	47.3413	8°0	...	-24°955	+57°355	0°80	45.3870	10°0	...	-15°801	+4°437	-5	M	...
...	33°759	-55°192	-5	M	...	*	24°883	+10°964	1°40	46.3780	9°2	...	15°725	+29°302	-5	M	...
...	33°713	+10°743	-5	M	...	...	24°879	-40°437	-5	M	...	...	15°698	-44°337	-4	B	...
S *	33°675	+54°480	2°00	45.3863	9°0	*	24°772	+28°451	1°05	46.3781	9°8	†	15°669	+24°979	-5	M	...
*	33°628	+37°263	1°20	46.3769	9°6	...	24°525	+8°421	-3	...	...	...	15°516	+21°831	-5	M	...
...	-33°542	+24°936	0°70	46.3770	10°4	...	-24°390	+27°319	-4	...	...	...	-15°282	-36°972	-4	...	...
*	33°172	-20°388	1°40	47.3414	9°0	*	24°273	+55°532	2°00	45.3872	9°0	†	15°267	-34°772	-5	M	...
...	33°142	-10°626	-4	...	...	...	24°212	+58°605	0°70	45.3873	10°2	...	14°512	-50°251	-4	...	...
...	32°865	+39°196	-4	...	...	...	23°970	+43°543	-3	...	...	...	14°376	-21°147	0°80	...	...
...	32°854	+42°201	-5	M	...	*	23°700	+40°324	1°80	46.3782	9°0	...	14°284	+10°632	-5	M	...
201	261																
...	-32°683	+40°326	-1	...	*	...	-23°441	+30°305	1°20	46.3783	9°3	*	-14°164	-36°504	1°00	47.3436	10°0
...	32°670	-7°102	-5	M	...	...	23°190	-10°386	-5	M	...	*	14°116	-36°110	1°00	47.3437	9°8
...	32°232	+37°317	-5	M	...	...	23°083	-8°961	-3	B	...	...	14°104	+17°339	-5	M	...
...	31°832	+6°858	0°70	46.3771	10°4	*	23°038	-13°221	1°00	47.3426	10°0	...	13°892	-33°184	-5	M	...
...	31°762	-6°124	-5	M	...	...	23°005	+29°367	-2	...	...	*	13°756	-58°107	2°00	47.3438	9°3
...	-31°641	+20°676	-1	...	...	...	-22°943	+30°322	-5	M	...	...	-13°648	+21°024	-5	M	...
*	31°615	+0°835	1°15	46.3772	9°6	...	22°663	-47°082	0°65	47.3427	10°4	...	13°423	+19°942	0°90	46.3792	10°2
*	31°217	-32°801	1°25	47.3415	9°8	...	22°615	+58°362	-5	M	...	...	13°388	+54°398	-4	...	...
...	31°128	+39°844	-4	...	...	...	22°368	-18°082	0°70	47.3428	10°4	...	13°156	-15°682	0°70	...	...
...	31°075	-55°660	-4	...	...	...	22°345	-8°198	0°70	47.3430	10°4	...	13°101	+25°661	0°95	46.3793	10°1
211	271																
...	-31°003	+47°954	-4	...	...	...	-22°303	+28°709	-5	M	...	...	-12°953	+38°951	-1	...	...
...	30°925	+41°840	-5	M	...	...	22°176	-10°566	-5	M	...	...	12°944	+19°223	-5	M	...
*	30°879	+38°897	2°00	46.3773	8°8	...	22°054	+30°905	-3	...	...	...	12°852	-2°274	-4	M	...
...	30°814	-19°981	-3	...	*	...	22°026	+6°530	1°10	46.3784	9°8	...	12°837	-28°215	-5	M	...
*	30°696	-26°144	1°30	47.3416	9°4	*	21°946	-2°337	1°00	46.3785	9°8	*	12°676	-16°845	1°60	47.3439	9°3
...	-30°448	-9°416	-5	M	...	N +	-21°299	+30°172	-5	M	...	...	-12°281	-26°853	-5	M	...
...	30°352	+24°067	-5	M	...	[	21°064	-34°756	2°20	47.3432	8°8	...	12°167	-25°577	0°95	47.3440	10°4
...	29°901	+14°026	-4	...	...	*	20°978	+6°487	1°00	46.3786	9°8	*	12°144	+26°393	1°20	46.3794	9°8
...	29°777	+38°389	-4	M	...	...	20°790	-10°371	-4	B	...	...	11°874	+24°295	-5	M	...
...	29°772	+32°663	-5	M	...	...	20°725	+4°159	-5	M	...	...	11°860	+17°962	-4	M	...
221	281																
...	-29°500	+8°413	-5	M	...	*	-20°654	+35°292	1°10	46.3787	9°6	...	-11°633	+12°904	-3	...	...
...	29°292	-9°646	0°80	47.3418	10°2	...	20°353	+38°956	-5	...	...	...	11°436	+29°138	0°80	46.3795	10°4
...	28°932	-12°623	-5	M	...	...	20°315	-14°588	-5	M	...	...	11°330	-29°346	-5	M	...
...	28°833	+31°265	-3	...	...	...	20°309	-13°859	-5	M	...	...	11°164	+27°195	-4	B	...
...	28°729	+26°344	-5	M	...	+	20°099	-53°716	1°00	47.3433	9°8	...	10°699	+28°376	-4	...	...
...	-28°567	-12°901	-5	M	...	+	-19°843	-44°999	-4	...	...	...	-10°646	+3°460	-4	M	...
*	28°498	-4°597	1°00	46.3774	10°0	...	19°657	+3°527	-2	46.3788	10°4	...	10°637	+17°349	1°00	46.3796	10°2
...	28°464	+4°542	-5	M	...	...	19°350	-44°407	-4	B	...	...	10°478	+42°754	0°80	46.3797	10°4
...	28°319	-57°685	-5	M	...	...	18°965	-22°640	-4	M	...	...	10°415	+35°195	-4	...	...
...	28°286	-30°476	0°70	47.3420	10°4	...	18°768	-42°983	-5	M	...	...	10°412	+13°449	0°70	46.3798	10°4
231	291																
...	-28°266	-39°185	-5	M	...	...	-18°684	-52°328	-5	M	...	...	-10°253	-51°104	-5	M	...
...	28°246	-6°972	0°80	47.3421	10°4	...	18°672	-52°552	0°90	47.3434	10°0	†	10°045	+15°872	1°20	46.3799	9°4
*	28°007	-34°929	1°10	47.3423	9°8	...	18°660	+40°816	-5	M	...	...	9°497	+0°596	-5	M	...
...	27°908	-45°884	1°00	47.3422	10°2	...	18°650	+21°436	-5	M	...	...	9°331	-19°753	-5	M	...
...	27°870	+20°859	-2	46.3775	10°4	...	18°595	-34°471	-3	...	...	...	9°023	-54°139	-4	...	...
...	-27°553	-10°248	0°70	47.3424	10°4	...	-18°476	+37°861	-5	M	...	*	-8°849	-27°221	1°00	47.3442	9°8
...	26°972	+16°253	-5	M	...	*	18°448	+59°220	1°10	45.3881	9°8	...	8°601	+10°052	-4	M	...
†	26°877	+40°040	-4	...	...	...	18°391	+27°173	-4	A	...	*	8°289	-20°756	1°10	47.3443	9°8
...	26°711	-37°279	-4	...	...	*	18°387	+22°197	1°20	46.3789	9°6	...	8°069	-42°202	-5	Mm	...
*	26°519	-5°459	1°00	46.3776	10°0	...	18°271	+28°474	-5	M	...	...	7°851	+22°647	-4		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
361-420																		
361	- 7.365	+ 12.594	- 5	M m	421	- 0.496	+ 10.290	- 5	M m	...	481	+ 11.682	- 44.624	- 2
...	7.135	- 56.746	- 4	*	...	0.296	- 42.929	1.00	47.3456	10.2	...	12.089	- 26.915	- 5	m	...
...	7.065	+ 27.020	- 5	M m	...	†	- 0.167	+ 3.688	0.80	46.3811	10.4	...	12.104	- 43.902	0.70	47.3476	10.1	
...	6.965	+ 53.483	- 1	45.3890	10.4	...	+ 0.376	+ 27.511	- 5	...	...	...	12.194	- 31.730	- 2	47.3475	10.4
...	6.773	+ 9.668	- 5	M m	...	*	0.561	- 49.115	1.15	47.3457	9.8	...	12.211	+ 40.394	0.70	46.3826	10.2	
*	- 6.632	+ 50.857	2.00	46.3800	9.5	...	+ 0.686	+ 32.763	- 5	M m	...	...	+ 12.482	+ 22.431	- 3	...	...
...	6.422	+ 50.240	- 5	...	...	...	1.482	- 32.566	- 5	M m	...	...	12.530	- 38.227	- 5	m	...
...	6.414	+ 14.753	- 4	B m	...	...	1.753	+ 25.836	- 5	M	...	...	12.856	+ 32.636	- 3	...	...
+	6.174	+ 45.047	1.05	46.3801	9.8	*	1.838	- 19.334	1.15	47.3458	9.8	...	12.991	+ 6.740	- 5	...	...
*	6.080	- 34.476	1.20	47.3445	9.8	*	1.915	- 53.546	1.25	47.3459	9.6	...	13.109	- 22.763	0.70	47.3477	10.4	
421-480																		
371	- 5.958	+ 47.275	1.25	46.3802	9.6	*	+ 2.152	+ 44.327	1.00	46.3812	10.0	...	+ 13.378	- 31.753	0.85	47.3478	10.1	
...	5.827	- 0.894	- 5	M m	...	S *	2.463	+ 7.726	2.00	46.3813	8.8	...	13.444	+ 29.656	0.70	46.3827	10.4	
*	5.784	- 45.205	1.00	47.3446	9.8	...	3.126	+ 13.006	- 4	M	...	...	13.462	+ 9.731	- 5	...	...
...	5.707	+ 20.204	- 4	M	...	...	3.360	- 47.032	- 5	M m	...	...	13.473	+ 52.964	- 5	...	...
*	5.674	+ 3.795	3.00	46.3803	8.6	*	3.492	- 28.062	1.10	47.3460	9.8	...	13.955	+ 9.023	- 5	m	...	
...	- 5.631	- 34.511	- 5	M m	...	...	3.678	- 34.672	0.70	47.3461	10.4	...	+ 14.309	+ 57.458	- 3	...	...
...	5.525	- 46.798	- 5	M	...	*	3.703	+ 52.747	1.00	46.3814	9.9	*	14.529	+ 20.265	1.05	46.3828	9.8	
...	5.278	- 45.355	- 5	M m	...	...	3.926	+ 11.812	- 5	B m	...	...	14.536	- 28.785	- 5	...	...
†	5.074	+ 34.987	0.95	46.3804	9.8	...	4.088	- 2.647	- 1	46.3816	10.4	†	14.747	- 45.275	1.00	47.3480	9.8	
†	5.055	+ 47.418	- 5	M	...	...	4.163	+ 38.162	0.70	46.3815	10.4	*	14.763	- 37.934	1.00	47.3481	9.6
381	- 4.960	- 6.202	1.00	46.3805	10.1	...	4.246	- 14.438	- 5	M m	...	...	+ 14.888	+ 14.142	- 5	...	...
...	4.889	- 51.044	- 5	M	...	...	4.555	- 50.508	- 4	...	...	...	15.186	- 2.384	0.70	46.3829	10.2
...	4.781	+ 47.988	- 5	M	...	...	5.021	+ 5.321	0.70	46.3817	10.2	...	15.440	+ 35.810	0.80	46.3830	10.1
...	4.725	- 33.180	- 5	M m	...	...	5.045	- 10.476	- 5	...	...	*	15.874	+ 8.640	1.40	46.3831	9.4
*	4.633	- 28.924	2.00	47.3447	8.8	S †	5.128	- 49.761	2.20	47.3462	8.3	...	16.057	+ 8.311	- 5	m	...	
...	- 4.500	- 45.435	1.10	47.3448	9.8	...	5.159	+ 42.742	- 5	M	...	...	+ 16.356	+ 33.548	- 4	...	...
...	4.453	- 46.647	- 5	M m	...	...	5.488	- 21.575	- 4	...	...	...	16.466	+ 11.179	- 5	m	...
...	4.385	- 7.689	- 5	M m	...	*	5.671	- 39.236	2.00	47.3463	8.6	...	16.583	+ 10.909	- 5	m	...	
...	4.248	- 0.463	1.00	46.3806	10.2	...	6.014	+ 31.293	0.80	46.3818	10.1	...	16.750	- 10.400	- 5	m	...	
...	4.237	+ 38.581	- 5	M	...	...	6.076	+ 15.203	0.70	46.3819	10.2	...	16.867	+ 53.007	- 5	...	...
391	- 4.192	- 13.591	1.20	47.3449	9.8	...	6.249	+ 2.155	- 5	M m	...	...	+ 17.374	- 6.149	- 3	...	...
...	4.059	+ 33.867	- 5	M m	...	*	6.970	- 18.974	1.70	47.3465	9.2	...	17.399	- 18.966	- 5	m	...	
...	4.034	+ 13.969	- 5	M m	...	*	6.992	- 16.913	2.10	47.3466	8.8	...	17.514	+ 20.472	- 5	m	...	
...	3.742	- 21.948	- 5	M m	...	*	6.997	- 45.144	1.00	47.3467	9.8	...	17.656	+ 49.753	- 5	...	...
...	3.591	- 53.497	1.00	47.3450	9.9	...	7.112	+ 7.701	- 5	M m	...	*	17.815	+ 46.548	1.00	46.3832	9.9	
...	3.498	- 43.572	0.95	47.3451	10.2	...	7.145	- 14.948	- 4	M	...	...	+ 18.056	+ 45.905	0.80	46.3833	10.1
*	3.476	- 12.746	1.10	47.3452	9.8	...	7.646	- 50.736	- 5	...	...	*	18.333	+ 49.671	1.20	46.3834	9.8
...	3.341	+ 23.808	- 4	A m	...	...	7.714	+ 20.229	- 5	M	...	...	18.369	- 41.664	- 5	m	...
...	3.306	+ 11.039	- 4	...	...	...	8.183	+ 19.011	- 5	...	...	*	18.404	- 34.324	1.05	47.3482	9.8
*	3.167	- 4.307	3.00	46.3808	8.0	†	8.195	- 39.788	- 5	M m	...	...	18.752	+ 28.692	- 4	...	...
401	- 3.101	+ 42.190	1.00	46.3807	10.0	...	8.347	+ 19.027	- 4	46.3820	10.4	...	+ 18.901	+ 39.285	0.70	46.3835	10.2	
*	3.005	+ 36.891	1.40	46.3809	9.6	...	8.932	- 37.499	- 4	M	...	...	18.950	+ 4.470	- 5	...	...
...	2.997	+ 30.553	- 4	...	...	...	9.004	+ 6.653	- 5	...	...	...	19.022	- 17.740	- 4	...	...
...	2.984	+ 47.192	- 3	...	...	*	9.169	- 11.770	1.00	47.3468	10.1	...	19.122	- 21.708	- 5	m	...
...	2.878	+ 6.229	- 5	M m	...	...	9.633	+ 5.102	1.00	46.3821	9.8	...	19.139	+ 8.169	0.80	46.3836	9.9
...	- 2.630	+ 17.098	0.90	46.3810	10.4	†	9.915	- 32.371	2.50	47.3469	8.1	...	+ 19.301	- 16.522	- 5	m	...	
...	2.400	+ 25.582	- 4	...	...	...	9.974	- 28.043	0.95	47.3470	10.1	...	19.337	+ 17.390	0.65	46.3837	10.4
*	2.284	- 13.005	1.00	47.3453	9.9	...	9.984	- 33.122	- 5	m	...	*	19.345	- 57.356	2.00	47.3483	9.4	
...	2.246	+ 23.876	- 4	A m	...	*	10.002	+ 52.359	1.15	46.3822	9.3	...	19.618	+ 2.330	- 1	46.3839	10.2	
...	2.175	+ 47.708	- 4	...	...	*	10.102	- 47.083	3.00	47.3472	8.0	...	19.705	+ 17.793	0.70	46.3838	10.2
411	- 2.029	+ 38.890	- 4	...	...	*	+ 10.125	+ 52.672	2.00	46.3823	9.2	†	+ 19.797	- 40.408	- 3	...	...
...	1.991	- 3.035	- 4	M m	...	...	10.276	+ 4.111	- 5	m	...	*	19.936	- 1.255	1.00	46.3840	10.1
†	1.931	+ 10.044	- 4	A m	...	...	10.329	- 0.795	- 3	...	...	...	20.188	+ 36.124	- 5	...	...
...	1.604	+ 19.100	- 5	...	...	...	10.506	+ 56.982	0.80	45.3907	10.0	...	20.224	+ 26.429	0.90	46.3841	10.4
...	1.547	- 33.792	- 5	M	...	...	10.546	+ 12.439	- 5	...	...	*	20.267	+ 7.131	1.60	46.3843	9.3
...	- 1.538	+ 31.882	- 5	M m	...	*	+ 10.553	- 51.934	1.10	47.3473	9.8	...	+ 20.282	+ 13.991	- 5	m	...	
...	1.018	+ 26.931	- 5	M m	...	...	11.209	+ 25.159	- 5	...	...	...	20.364	+ 21.798	0.80	46.3842	10.2
*	0.727	- 12.669	1.05	47.3455	9.9	...	11.269	+ 52.017	- 1	46.3824	10.2	...	20.965	+ 21.526	- 4	...	...
...	0.722	- 59.516	- 5	M m	...	...	11.353	- 55.524	- 3	47.3474	10.4	...	21.130	- 43.976	0.90	47.3484	10.2
...	0.601	- 5.870	- 5	M m	...	*	11.399	+ 38.380	1.00	46.3825	9.8	*	21.296	- 32.820	1.00	47.3485	9.9	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
541-600																			
54 ^I	+21·897	+5·705	-3	o	...	...	...	+32·493	-53·191	-5	o	...	...	+40·779	-11·923	-5	m	...
...	21·920	-55·260	-4	...	...	...	...	32·621	+11·473	-5	...	...	...	40·839	+8·591	0·75	46·3871	10·2
...	22·044	-11·990	0·90	47·3486	10·2	...	...	32·663	-45·259	-4	...	...	...	40·928	+37·436	-1	46·3870	10·4
...	22·339	+40·740	-2	...	...	...	...	32·801	-43·133	-5	m	...	*	41·059	-21·102	1·10	47·3511	9·8
*	22·505	+13·566	1·10	46·3846	10·0	...	...	32·852	+23·226	-5	...	...	*	41·246	+12·611	1·05	46·3872	9·6
*	+22·582	+40·584	1·20	46·3844	9·8	...	...	+32·970	+30·698	-5	...	...	...	+41·603	-26·353	-5	m	...
*	22·605	+29·742	1·00	46·3845	10·2	...	...	32·970	+22·136	0·80	46·3857	10·4	...	41·638	-16·595	-3	...	...
...	22·616	-46·347	-4	...	...	...	...	33·017	-15·692	-5	...	...	...	41·692	+4·897	-5	...	...
*	22·916	+55·585	1·00	45·3927	9·9	...	...	33·114	-13·695	-5	m	...	...	41·707	-10·965	-3	...	...
...	23·019	+30·896	-1	...	...	...	...	33·168	-21·723	0·70	...	...	*	41·892	+28·070	1·05	46·3873	9·8
55 ^I	+23·078	+12·726	1·10	46·3847	9·8	...	...	+33·198	-44·661	-5	m	...	...	+42·063	-59·055	0·80	47·3515	9·9
...	23·414	+8·053	-3	...	...	...	...	33·258	+43·881	-3	46·3856	10·4	...	42·077	+7·497	0·80	46·3874	10·2
...	23·853	+59·350	-4	45·3929	10·4	*	...	33·360	-31·220	1·10	47·3498	9·9	...	42·124	-50·777	-1	47·3514	10·4	
†	24·025	-9·847	0·90	47·3487	10·4	*	...	33·434	+21·197	1·15	46·3859	9·8	*	42·230	-31·216	1·15	47·3512	9·9	
...	24·112	+19·856	-3	...	...	...	...	33·653	+22·600	-4	...	...	...	42·349	-25·703	-3	47·3513	10·4
...	+24·164	+56·654	-4	...	...	*	...	+33·741	+30·414	1·20	46·3860	9·8	...	+42·458	-25·690	-5	m	...
...	24·433	+42·302	-5	...	...	...	...	33·774	+38·311	-4	...	...	...	42·937	+24·304	-2	...	...
...	24·527	+20·845	-4	...	...	S *	...	33·788	+47·951	2·05	46·3858	9·0	*	43·534	-56·187	1·15	47·3516	9·6
...	24·556	-15·913	-4	...	...	...	...	34·365	+30·927	-4	...	...	...	44·001	-13·880	-5	...	...
...	24·888	+18·397	0·70	46·3848	10·4	S *	...	34·467	-12·961	2·00	47·3499	9·0	...	44·138	+20·933	-2	...	...
56 ^I	+25·049	-20·968	3·00	47·3488	8·6	†	...	+34·781	+1·142	-5	...	...	...	+44·263	+25·906	-1	46·3875	10·4
...	25·235	+43·171	-1	...	...	...	...	34·898	-47·988	1·00	47·3501	9·9	†	44·685	+14·145	1·00	46·3877	9·8
...	25·236	+20·578	-5	...	...	...	...	34·967	+37·172	1·00	46·3861	10·1	†	44·695	+20·057	0·70	46·3876	10·4
...	25·288	-51·708	-5	m	...	*	...	35·135	-38·550	2·10	47·3502	8·6	...	44·786	-53·977	-5	...	...
...	25·316	-53·901	-5	m	...	...	...	35·321	-45·192	-5	m	...	...	44·828	+17·694	-5	...	...
...	+25·496	-25·250	0·90	47·3489	10·4	...	...	+35·733	+18·399	-1	...	...	...	+44·960	-37·593	-1	47·3517	10·4
*	25·521	-47·405	1·40	47·3491	9·8	...	...	36·068	-28·427	-4	...	...	...	44·985	-42·971	0·95	47·3519	10·0
...	25·599	+17·040	-3	...	...	...	...	36·236	+0·502	-5	...	...	...	45·069	-35·096	0·85	47·3518	10·2
...	25·607	-50·395	-5	...	...	...	...	36·589	+4·459	-5	m	...	...	45·191	-26·854	-4	...	...
...	25·676	-29·369	-4	a	...	†	...	36·594	-34·722	-2	47·3505	10·4	...	45·819	-30·782	-5	...	...
57 ^I	+25·741	-43·656	-4	a	63 ^I	+36·661	+59·472	-5	+46·015	+3·908	-5
*	25·790	-27·020	1·00	47·3490	9·9	*	...	37·032	-55·294	1·65	47·3506	9·4	...	46·018	-18·065	-3	...	...
...	25·833	+52·974	-5	...	...	...	...	37·081	-25·339	-5	...	...	...	46·222	-48·292	-5	...	...
...	26·311	+24·528	0·90	46·3849	10·4	...	...	37·128	-12·258	-5	m	...	...	46·316	-27·929	-5	m	...
...	26·759	-34·070	0·90	...	...	α*	...	37·143	-0·120	1·70	46·3862	9·3	...	46·398	-29·333	-4	a	...
*	+26·910	+0·902	1·00	46·3850	9·8	...	...	+37·223	+10·361	-5	...	...	...	+46·467	-42·025	1·00	47·3520	10·0
...	27·214	-2·518	-5	m	...	...	...	37·267	-2·904	-5	m	...	...	46·490	+49·475	0·90	46·3878	10·0
*	27·958	-36·790	1·10	47·3493	9·8	...	...	37·497	+53·011	-5	...	...	...	46·535	-36·357	-5	m	...
...	28·051	-26·702	-5	m	...	*	...	37·678	-53·583	1·40	47·3508	9·5	...	46·838	-56·436	-5	...	...
...	28·124	-14·385	-5	m	...	...	...	37·680	+15·781	-5	...	...	...	47·213	-26·322	-5	m	...
58 ^I	+28·310	-1·825	-1	46·3851	10·4	64 ^I	+37·763	+39·473	-4	+47·228	+33·903	0·80	46·3879	10·1
...	28·468	+25·282	-3	...	...	...	...	37·907	+36·569	0·90	46·3863	10·2	...	47·264	-3·506	-5	m	...
...	28·630	-44·456	-4	a	...	...	...	38·056	+40·712	-5	...	...	...	47·306	+35·371	-3	46·3880	10·4
...	28·876	-47·492	1·00	47·3494	10·0	...	...	38·062	+53·266	0·95	45·3947	10·0	...	47·560	+2·262	-5	...	...
...	28·939	+11·733	-3	...	...	S N*	...	38·197	+35·250	2·90	46·3864	8·4	...	47·625	-7·513	-4	...	...
...	+29·104	+46·177	1·00	46·3852	10·0	...	...	+38·515	-49·611	-4	...	...	...	+47·865	+1·398	-5	...	...
...	29·263	+23·054	-5	m	...	*	...	38·902	-37·017	1·20	47·3509	9·8	...	48·058	-50·736	-4	...	...
α+	29·343	+0·079	1·00	46·3853	9·8	...	...	38·914	+11·165	1·00	46·3865	10·0	...	48·059	-46·842	0·90	47·3522	10·0
...	29·380	-58·815	-5	m	...	...	...	38·959	+23·952	-5	...	...	...	48·397	-34·965	-5	...	...
...	29·672	+56·226	2·00	45·3939	9·0	...	...	39·229	-52·415	-5	...	...	...	48·570	-9·655	-4	b	...
59 ^I	+29·807	-57·381	-1	47·3495	10·2	65 ^I	+39·285	-29·721	-5	m	...	*	+48·896	-59·476	1·90	47·3523	9·4
*	30·295	+8·501	1·00	46·3854	9·8	...	...	39·301	+5·853	-5	m	...	...	48·932	-11·754	-4	...	...
*	30·598	-10·993	1·10	47·3496	9·6	...	...	39·474	+25·072	-4	...	...	...	49·035	+17·216	-4	...	...
...	30·612	+28·527	-4	...	...	...	...	39·887	+6·183	0·85	46·3867	10·1	...	49·910	+42·140	-5	...	...
...	30·627	+44·903	-4	...	...	*	...	39·950	-4·413	1·00	46·3868	9·9	...	49·913	+44·779	0·90	46·3881	10·0
*	+30·646	+27·245	1·10	46·3855	9·8	...	...	+39·985	-28·856	-4	...	...	...	+50·009	-3·274	-5	e	...
...	30·750	+57·058	0·90	45·3941	10·1	*	...	40·080	+27·159	1·05	46·3866	9·8	*	50·205	-8·288	1·10	47·3524	9·8	
...	31·681	+26·127	-5	...	...	...	...	40·148	-53·322	0·70	47·3510	10·2	*	51·517	-17·914	1·20	47·3525	9·8
...	31·699	-52·573	-1	47·3497	10·2	...	...	40·319	-58·026	-2	...	...	...	51·577	-30·111	-4	...	...
...	31·936	-19·754	-4	...	...	...	...	40·413	+28·263	0·70	46·3869	10·4	...	51·653	+49·558	0·85	46·3882	10·1

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
721-750																		
721	+52.066	-54.389	-5	o	...	...	751	+55.546	-54.121	-3	47.3533	10.4	781	+58.155	+58.225	-3	45.3977	10.2
...	52.078	+24.814	-5	...	...	...	...	55.703	+13.861	-5	...	...	...	58.265	-21.911	-5	...	...
...	52.099	-32.685	0.70	47.3526	10.2	...	...	55.834	-22.351	-5	...	...	*	58.637	-11.026	1.00	47.3537	10.1
...	52.178	+49.041	-5	...	...	...	...	55.836	-4.865	-5	...	...	†	58.668	-59.692	-1	47.3539	10.0
...	52.213	+36.002	-2	46.3883	10.2	*	...	55.906	+21.873	1.80	46.3890	9.2	...	58.879	-8.438	0.65	47.3538	10.4
...	+52.515	-2.301	-1	46.3884	10.2	...	...	+56.040	+39.474	-3	46.3888	10.4	...	+59.276	-3.253	-5	...	...
...	52.548	+49.072	-4	...	...	...	...	56.068	-6.061	0.90	46.3891	10.1	...	59.489	-20.553	-4	...	...
S*	52.749	-39.398	2.90	47.3527	8.2	...	...	56.214	+38.506	-5	...	...				
...	52.793	-4.002	-5	e	...	...	...	56.218	+8.259	-5	...	...				
...	53.222	+5.861	-5	...	...	†	...	56.358	+19.973	-5	...	...				
731	+53.506	-31.428	-5	...	...	761	...	+56.432	-4.726	-5	...	...				
*	53.520	+59.193	1.30	45.3972	9.6	...	...	56.488	+30.794	-5	...	...				
...	53.603	-6.291	-4	...	...	...	...	56.550	+36.334	-5	...	...				
...	54.074	-4.708	-5	e	...	...	...	56.631	-32.241	-5	...	...				
...	54.125	-7.482	-5	m	...	...	...	56.797	-23.999	-5	e	...						
...	+54.178	-8.182	-5	...	...	...	...	+56.899	-48.143	-5	...	...				
...	54.479	-31.186	-2	47.3528	10.4	...	...	56.955	-30.301	-5	...	...				
†	54.668	-35.124	-5	...	...	...	...	57.032	+27.225	-5	...	...				
++	54.718	-27.794	2.20	47.3529	8.5	*	...	57.124	+19.115	1.20	46.3892	9.6						
++	54.753	+37.920	1.35	46.3885	9.6	...	...	57.151	-13.230	-5	m	...						
741	*+54.758	+11.668	1.00	46.3887	9.9	771	...	+57.198	-27.831	-3	47.3534	10.4						
...	55.037	+34.113	-2	46.3886	10.4	...	...	57.315	+36.128	-5	...	...				
...	55.046	-58.273	-1	47.3531	10.4	...	...	57.361	-0.689	-5	e	...						
...	55.053	+21.437	-4	...	...	...	...	57.400	-20.532	-5	...	...				
...	55.109	-16.802	1.80	47.3530	9.0	...	...	57.517	-16.699	-3	47.3535	10.4						
...	+55.158	+21.898	-5	...	...	...	...	+57.530	+50.957	-5	...	...				
*	55.188	-5.729	1.00	46.3889	10.0	...	...	57.775	-42.609	0.80	47.3536	10.0						
...	55.251	+16.580	-4	...	...	...	...	57.867	-7.918	-5	e	...						
N [	55.383	+59.387	-3	45.3975	10.4	*	...	57.883	-3.979	1.00	46.3893	9.8						
...	55.436	+37.615	-5	...	...	...	...	57.971	-21.428	-5	e	...						

749. Mass: 46°.59, brighter of suspected double; 47°.59, mass:

1-20					21-40					41-60								
I	-59.164	-25.977	-3	47.3513	10.4	21	-54.470	-7.629	-4	o	...	41	-49.794	-30.092	-5	o	...	
...	59.114	-31.491	1.00	47.3512	9.9	...	53.846	+17.142	-4	...	...	...	49.743	-2.257	1.00	46.3884	10.2
...	58.897	+25.668	-3	46.3875	10.4	†	53.824	+44.705	1.00	46.3881	10.0	...	49.408	-3.955	-4	E	...	
...	58.860	+20.696	-5	...	...	...	53.764	+42.084	-5	...	...	...	49.310	+5.921	-5	...	...
...	58.586	-51.060	-2	47.3514	10.4	...	53.705	-56.585	-5	...	...	...	49.189	-32.645	0.90	47.3526	10.2
...	-58.379	-59.344	-1	47.3515	9.9	...	-53.028	-11.822	-4	...	...	...	-48.878	-4.812	-5	M	...
†	58.262	+19.832	-3	46.3876	10.4	...	52.780	-46.934	0.90	47.3522	10.0	N [	48.847	+59.496	-4	45.3975	10.4
*	58.084	+13.939	1.15	46.3877	9.8	...	52.666	-50.837	-5	...	...	*	48.797	+38.011	1.30	46.3885	9.6
...	58.063	+17.481	-4	...	...	...	52.526	+50.057	-5	...	...	...	48.552	-54.346	-5	...	...
...	57.874	-14.111	-5	...	...	...	52.249	+49.541	-1	46.3882	10.1	...	48.531	-6.216	-4	...	...
II	-57.418	+49.302	-1	46.3878	10.0	31	...	-52.200	-3.331	-5	E	-48.383	+34.216	0.90	46.3886	10.4
*	57.004	-56.423	1.10	47.3516	9.6	*	51.863	-8.326	1.40	47.3524	9.8	S †	48.330	-39.327	3.00	47.3527	8.2	
...	56.282	-27.055	-4	...	...	...	51.719	+49.043	-5	...	...	...	48.102	-4.617	-5	E	...
...	56.178	+33.771	-1	46.3879	10.1	*	51.539	-59.533	1.40	47.3523	9.4	...	47.948	+21.550	-1	...	...
...	56.160	-37.772	-3	47.3517	10.4	...	51.349	+49.090	-4	...	...	*	47.930	+11.791	1.10	46.3887	9.9
...	-56.144	+35.232	-4	46.3880	10.4	...	-51.266	+36.014	-3	46.3883	10.2	...	-47.884	-8.092	-5	...	...
...	56.133	-35.284	-1	47.3518	10.2	†	51.041	+24.825	-5	...	...	...	47.863	+22.010	-5	...	...
...	55.960	-43.157	-1	47.3519	10.0	...	50.724	+25.586	-5	...	...	...	47.826	-31.345	-5	...	...
...	55.725	-18.232	-5	...	...	*	50.698	+59.236	1.30	45.3972	9.6	...	47.599	+16.698	-4	...	...
...	54.537	-42.163	1.00	47.3520	10.0	*	50.237	-17.907	1.50	47.3525	9.8	...	47.549	+39.614	-3	46.3888	10.4	

L measured from 1, 290, 618.
C " " 123, 451, 763.

47. Mass. 46°.59, brighter of suspected double; 47°.58, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
61-120																		
6I	* -47°11'17	+22°01'14	2.00	46°38'90	9.2		12I	-40°25'58	-40°09'06	-1	47°35'43	10.2	18I	-33°22'28	-50°39'3	0.65	47°35'62	10.1
...	47°05'55	-46°63'38	-5	M	...		...	40°24'5	+30°12'9	0.80	...	...	*	33°04'3	+4°12'0	1.35	46°39'14	9.4
...	47°05'54	+14°00'00	-5	...	...		...	39°8'48	+11°9'70	-5	...	...	...	32°9'12	-26°32'5	0.90	47°35'63	10.1
...	46°95'57	-5°60'3	1.00	46.3889	10.0		...	39°7'08	+8°10'8	-4	...	...	...	32°7'28	+32°50'9	-5	...	...
...	46°88'9	+1°93'0	-5	...	...		*	39°6'89	-3°6'82	1.05	46.3900	9.9	...	32°7'14	-46°7'04	-4	...	...
...	-46°86'4	-31°07'6	0.90	47.3528	10.4		...	-39°6'89	-16°5'62	-5	M	...	...	-32°7'00	+48°5'81	-4	...	...
...	46°82'7	+30°9'54	-4	...	...		S*	39°6'35	-1°4'75	3.00	46.3899	7.8	...	32°6'67	-15°8'63	-5	M	...
*	46°70'2	-27°6'76	2.80	47.3529	8.5	N*	39°4'27	+52°4'01	2.00	46.3901	9.6	...	32°4'48	+56°4'54	-4	...	...
*	46°67'9	-16°6'68	2.00	47.3530	9.0	...	39°2'76	+16°7'49	-5	...	...	...	32°3'35	+18°6'84	-1	46.3915	10.4	
...	46°60'6	+20°1'22	-5	...	...		...	39°0'70	-24°1'25	-1	47.3545	10.2	...	32°3'12	-30°0'08	-5	...	...
7I	† -46°53'7	-34°9'96	-4	...	...		13I	38°8'19	+56°8'61	2.95	45.3993	8.8	19I	32°3'10	-53°5'18	1.20	47.3564	9.8
...	46°42'1	+51°1'39	-5	...	...		...	38°4'80	+11°0'52	-5	...	...	...	32°2'78	-15°9'22	-5	M	...
...	46°37'5	+8°4'14	-5	...	...		...	38°3'70	+6°7'46	0.75	46.3902	10.4	...	32°2'40	-32°2'42	0.80	47.3565	10.2
...	46°34'5	-4°7'20	-4	...	...		*	33°3'27	-21°7'32	2.00	47.3546	9.3	...	32°1'93	+43°2'44	-4	...	...
...	46°17'1	+36°2'91	-4	...	...		...	38°2'20	+20°7'27	-4	...	...	...	32°1'29	-57°9'82	-4	47.3566	10.4
...	-46°06'6	-5°9'10	0.90	46.3891	10.1		...	38°1'85	-23°9'02	-5	...	...	...	-31°9'58	-48°5'97	1.00	47.3567	10.1
...	46°03'5	+58°4'18	-3	45.3977	10.2		...	37°9'71	-43°1'92	-4	...	...	*	31°6'83	-52°4'14	1.40	47.3568	9.3
*	45°8'13	+19°2'93	1.20	46.3892	9.6	...	37°8'64	+1°3'72	0.70	46.3903	10.4	...	31°5'95	-42°6'68	-3	47.3570	10.4	
...	45°7'75	-22°1'80	-5	...	...		...	37°7'33	-56°6'42	-3	47.3547	10.1	...	31°5'40	-48°7'16	0.90	47.3569	10.1
...	45°7'73	-57°0'55	-5	...	...		...	37°5'60	-54°8'24	-5	...	...	...	31°4'29	-41°4'64	-3	47.3571	10.2
8I							14I						20I					
...	-45°7'59	-4°5'63	0.80	...	...		...	-37°5'49	-47°1'19	-5	...	...	...	-31°3'12	-30°1'26	-5	M	...
...	45°4'21	-58°1'44	-3	47.3531	10.4	...	...	37°5'01	-49°5'17	-5	...	...	...	31°2'20	-36°6'02	-4	...	...
†	45°0'80	-53°9'64	-4	47.3533	10.4	...	...	37°4'46	+4°3'17	0.90	46.3904	10.1	*	30°9'84	+7°5'78	2.60	46.3916	8.6
†	44°9'41	-0°5'07	-5	E	...	...	...	37°3'49	-51°4'76	-2	47.3548	10.2	...	30°7'78	+28°0'06	-5	...	...
...	44°7'66	-23°8'20	-5	E	...	...	...	37°3'41	-27°6'06	0.70	47.3550	10.2	...	30°6'75	+3°6'43	-5	...	...
...	-44°6'65	-32°0'65	-4	...	...		...	37°3'36	-51°7'45	-3	47.3549	10.4	...	-30°4'54	+46°8'52	-4	...	...
†	44°4'22	-30°1'10	-4	...	...		...	37°1'33	-50°1'17	-3	47.3551	10.4	...	30°4'44	+24°5'48	0.70	46.3917	10.4
*	44°3'25	-3°7'75	1.25	46.3893	9.8	...	37°0'10	-35°2'80	-5	M	...	...	30°2'90	-29°1'76	-5	M	...	
...	44°2'88	-20°3'45	-4	...	...	*	36°9'87	+15°7'16	1.10	46.3905	9.9	...	30°2'81	-36°8'79	1.00	47.3572	10.0	
...	44°2'81	-16°4'97	0.90	47.3535	10.4	...	36°7'16	-30°5'00	0.95	47.3552	10.1	...	30°2'01	-29°5'45	-2	47.3573	10.4	
9I							15I						21I					
...	-44°2'38	-27°6'37	0.85	47.3534	10.4	...	...	-36°5'72	+13°7'96	-5	...	...	*	-29°9'32	-12°4'15	1.00	47.3574	9.9
...	44°2'07	-7°7'15	-4	E	...	...	...	36°3'59	+1°4'48	-4	...	...	...	29°8'80	-28°9'87	-4	...	...
...	43°9'09	-47°9'57	-5	...	...	...	...	36°1'94	+47°9'02	-5	...	...	...	29°8'38	+10°6'51	-4	...	...
...	43°6'81	-21°2'12	-5	E	...	...	...	35°9'66	+20°4'56	-5	...	...	...	29°6'60	+56°2'76	-2	45.4010	10.2
†	43°4'58	+44°6'79	-4	46.3894	10.4	...	...	35°9'42	+51°2'43	1.10	46.3909	9.8	*	29°5'87	-37°9'11	1.40	47.3575	9.4
...	-43°3'73	-21°6'93	-4	...	...		...	35°8'97	+18°7'91	0.80	46.3908	10.4	...	-29°5'19	+36°8'77	-5	...	...
...	43°3'37	-10°7'90	1.00	47.3537	10.1	...	...	35°8'95	+22°1'25	0.70	46.3907	10.4	S*	28°9'23	+12°7'87	2.10	46.3918	9.0
...	43°3'20	-38°2'48	-5	...	...	*	...	35°8'49	+3°0'09	1.10	46.3906	9.8	...	28°8'65	+2°1'50	-5	...	...
...	43°2'11	-42°3'91	-1	47.3536	10.0	*	...	35°6'15	-24°3'00	1.00	47.3553	9.9	...	28°8'31	-9°3'73	-4	...	...
...	43°1'88	-8°1'99	0.90	47.3538	10.4	...	...	35°2'53	+36°3'68	-5	...	...	...	28°7'99	+44°2'08	-5	...	...
10I							16I						22I					
...	-43°0'97	+36°0'39	-3	46.3895	10.2	...	...	-35°2'43	-2°6'31	-4	...	...	...	-28°7'55	-37°8'44	-4	...	...
...	43°0'72	+53°2'99	-5	...	...		...	35°1'84	+48°7'98	1.10	46.3910	9.9	...	28°7'31	-37°1'23	-5	...	...
...	42°9'58	-2°9'99	-3	...	...		...	34°8'36	-7°8'09	-3	47.3557	10.4	*	28°6'09	-54°0'64	1.30	47.3576	9.6
...	42°9'34	+30°8'91	0.90	46.3896	10.4	...	...	34°7'19	+52°8'15	-5	...	...	...	28°4'72	+42°7'82	-5	...	...
...	42°8'76	+14°4'52	-3	...	...		...	34°6'69	-54°6'12	2.70	47.3555	8.6	*	28°3'53	+16°8'10	2.80	46.3919	8.5
...	-42°7'80	+4°9'85	-4	...	...	*	...	34°6'50	-14°9'26	1.00	47.3558	9.9	...	-28°1'63	-23°9'17	-5	...	...
...	42°3'86	+27°6'40	-5	...	...	*	...	34°6'09	+5°0'41	-3	...	...	*	28°1'12	-12°7'71	1.05	47.3577	9.8
...	42°2'37	+15°4'74	-4	...	...	*	...	34°4'54	-8°8'00	1.35	47.3559	9.4	...	28°0'30	+52°7'93	0.80	46.3920	10.0
...	42°1'86	-20°2'99	0.70	...	...	*	...	34°4'46	-58°9'34	-3	47.3556	10.4	...	27°7'45	-13°3'38	0.70	47.3578	10.2
...	42°0'68	-7°9'79	1.00	47.3540	10.0	...	...	34°4'02	-9°6'80	0.65	47.3560	10.4	...	27°7'01	+28°9'21	-5	...	...
III							17I						23I					
...	-41°8'00	+15°8'31	-4	...	...		...	-34°1'79	-32°7'70	0.90	47.3561	10.0	...	-27°5'61	+5°0'26	-4	...	...
...	41°7'69	-59°4'52	1.00	47.3539	10.0	...	...	33°9'61	+47°0'65	-5	...	...	...	27°4'80	-19°5'55	-4	...	...
*	41°4'19	+54°1'09	2.20	45.3987	9.3	...	...	33°9'23	+49°4'66	-4	...	...	...	27°4'68	-49°5'40	0.95	47.3579	10.0
...	41°3'79	-23°6'51	0.80	47.3541	10.4	*	...	33°8'38	+39°4'83	1.20	46.3912	9.8	...	27°2'88	+18°3'85	-3	...	...
...	41°2'94	+55°0'33	-4	...	...	*	...	33°7'93	+43°2'22	-5	...	...	...	27°2'81	-20°0'05	-5	...	...
*	-41°2'82	+50°4'17	1.20	46.3897	9.9	*	...	-33°6'89	-3°2'73	1.10	46.3911	9.8	*	-27°2'48	+31°0'60	1.10	46.3921	9.9
...	41°2'18	-16°9'46	-5	M	...	*	...	33°6'57	-44°4'75	-5	...	...	...	27°2'44	+4°7'99	-5	...	...
*	40°																	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
241-300						301-360						361-420						
241	-26·701	-46·652	-5	o			301	-18·672	-17·237	-3	o		361	-12·196	-49·689	-1	47·3605	10·4
...	26·589	+19·966	-4	...			...	18·627	-28·709	-4	...		...	12·035	-32·002	-4	...	...
...	26·432	+7·551	-4	...			...	18·487	-45·542	-4	...		*	11·932	-30·208	1·20	47·3606	9·8
...	26·281	+13·731	-5	...			*	18·485	-16·876	1·00	47·3591	10·0	*	11·867	+49·367	2·00	46·3943	9·6
...	26·275	+48·615	0·70	46·3922	10·2		...	18·461	-20·227	-5	M		*	11·685	-20·759	1·30	47·3607	9·6
...	-26·176	+30·638	-5	...			...	-18·457	-17·709	0·95	47·3592	10·2	...	-11·569	-7·233	-3	B	...
...	25·927	-35·621	-5	...			...	18·390	-33·290	0·70	47·3593	10·4	...	11·159	+29·690	-5	...	...
...	25·773	-29·015	-5	M	...		...	18·378	-35·473	-2	47·3594	10·4	...	11·011	+30·036	0·90	46·3944	10·2
...	25·722	+2·326	-5	B	...		...	18·354	-36·293	-3	...		...	10·916	+3·000	-3	...	...
...	25·673	+47·903	1·05	46·3923	10·0		...	18·348	-34·583	-5	M		...	10·864	-17·625	-4	...	...
251	-25·633	-54·653	-5	...			311	-18·110	-15·142	0·70	47·3595	8·8	371	-10·524	+55·926	-4	...	...
...	25·151	+9·366	-5	...			...	18·068	+48·522	0·65	...		...	10·460	-33·461	-4	...	...
...	24·999	+6·215	-5	...			*	17·748	-15·194	3·00	47·3595	8·8	...	10·440	-6·877	0·90	47·3608	10·2
*	24·979	+21·691	1·20	46·3924	9·8		...	17·709	-24·669	-5	M		...	10·435	-23·368	-4	...	...
...	24·951	-13·189	-5	M	...		...	17·708	+1·050	-4	...		*	10·370	+30·377	1·00	46·3945	9·9
...	24·919	+42·841	-4	...			...	-17·618	+40·397	-3	...		†	-10·148	+24·137	-2	...	...
...	24·881	-42·153	0·90	47·3582	10·1		...	17·537	-34·715	-1	...		...	9·840	-58·930	-5	...	...
...	24·652	+18·268	0·70	46·3925	10·1		...	17·386	+31·812	-5	...		...	9·790	-0·736	-3	...	...
...	24·534	-10·542	-5	M	...	*	...	17·321	-6·124	1·00	46·3933	10·2	*	9·603	+15·909	1·10	46·3946	10·0
...	24·442	-46·795	-4	...			...	17·156	-22·373	-5	...		...	9·420	-27·232	-5	...	...
261	* -24·225	+4·220	1·40	46·3926	9·6	...	321	-17·119	-5·690	0·95	46·3934	10·4	381	-9·348	+18·364	0·90	...	...
*	24·194	+5·230	1·40	46·3927	9·3	...	...	16·919	+7·028	0·80	...		...	9·179	+24·578	-4	...	...
...	23·897	+15·957	-3	...			...	16·665	+40·661	-2	46·3935	10·4	*	9·160	+37·631	1·70	46·3947	9·5
*	23·784	-23·065	1·15	47·3583	9·8		...	16·624	-39·108	0·90	47·3596	10·2	...	9·129	-26·953	-5	...	...
...	23·684	+34·088	-5	...			...	16·562	-22·849	0·90	47·3597	10·4	...	9·063	-17·945	0·80	47·3609	10·4
*	23·669	-24·757	1·05	47·3584	9·9	†	...	-16·436	-50·024	-1	47·3598	10·4	...	-8·950	+35·068	0·95	46·3948	9·9
*	23·514	+32·427	1·10	46·3928	9·8	...	...	16·324	-47·166	-4	...		*	8·610	+26·231	1·00	46·3950	10·0
...	23·362	+17·291	-4	...			...	16·190	-24·719	-5	M	...	*	8·562	+51·660	1·30	46·3949	9·8
...	23·079	-37·342	-3	47·3585	10·4	...	...	15·989	-40·257	-5	M	...	...	8·554	-48·484	-4	...	...
...	23·005	+36·501	-5	...			...	15·938	+44·407	-5	...		...	8·486	+45·511	-2	...	...
271	-22·902	-12·791	-4	...			331	* -15·483	+1·909	1·40	46·3936	9·8	391	-8·239	-14·906	-5	m	...
...	22·881	-12·226	-5	...			...	15·154	+8·899	0·80	46·3937	10·0	...	8·096	+23·084	-5	m	...
...	22·830	-38·366	-5	...			...	15·140	-20·526	0·65	47·3600	10·4	...	7·793	-52·041	1·00	47·3610	10·2
...	22·793	-36·548	-5	M	...		...	14·872	-8·044	-5	M	...	...	7·770	+21·234	-4	m	...
†	22·569	+29·738	-5	...			...	14·711	-39·988	-4	...		...	7·618	-50·827	-4	...	...
...	-22·332	+39·478	-3	...			...	-14·633	+55·025	-1	45·4023	10·2	...	-7·463	-34·064	-3	47·3611	10·4
...	22·271	-6·977	-3	...			...	14·504	-42·360	1·00	47·3601	10·2	*	7·428	-21·022	1·30	47·3612	9·6
...	21·955	-42·960	-5	...			...	14·435	-48·778	-1	47·3602	10·4	...	7·405	+6·067	0·80	a	...
...	21·780	-25·859	-5	...			...	14·402	-42·930	-5	...		...	7·328	-51·444	-3	47·3613	10·4
†	21·724	-0·089	-5	M	...		...	14·118	+57·263	-4	...		...	7·305	+23·957	1·00	46·3951	10·2
281	-21·698	-13·746	0·70	47·3587	10·2	*	341	-14·069	-8·424	3·00	47·3603	8·2	401	-6·793	-27·373	1·40	47·3614	9·8
...	21·222	-18·815	-5	...			...	13·841	+10·383	-3	...		...	6·782	-31·494	0·90	47·3615	10·2
...	21·097	+6·085	-5	...			...	13·781	+6·470	0·90	46·3938	10·4	*	6·545	-12·280	1·10	47·3616	9·8
...	21·052	+13·595	0·80	46·3929	10·2	...	...	13·717	-32·267	-4	...		...	6·522	-9·746	1·00	47·3617	10·2
...	20·996	+52·334	0·70	46·3930	10·4	...	...	13·652	-59·224	-1	47·3604	10·1	S*	6·356	+55·498	3·00	45·4040	8·3
*	-20·941	-32·229	1·40	47·3588	9·6	...	...	-13·499	+0·087	-3	x	...	...	-6·326	-8·395	-5	M m	...
...	20·914	-5·239	-5	M	...		...	13·497	+6·501	1·00	46·3939	10·0	...	6·287	+43·071	0·70	...	...
...	20·847	+7·763	-5	...			...	13·464	-42·988	-5	...		...	6·114	-0·264	3·00	46·3952	8·6
†	20·101	-35·690	-5	...			...	13·260	+46·649	-5	...		...	5·784	-42·454	-4	...	...
...	19·690	-55·054	-5	...			...	13·251	-43·830	-4	...		...	5·493	+32·318	-4	...	...
291	* -19·637	+24·369	1·10	46·3932	10·0	...	351	-13·248	-2·223	-2	...		...	-5·065	+20·467	-5	m	...
*	19·613	-3·951	1·00	46·3931	10·0	*	...	13·035	+6·415	-1	46·3940	10·4	...	4·968	+22·426	-5	m	...
...	19·434	+41·457	-5	...			...	12·935	+22·430	1·60	46·3941	9·8	...	4·906	-39·272	1·00	47·3618	10·2
...	19·315	-26·324	-4	...			...	12·869	-21·430	-3	...		...	4·706	-11·430	-5	M m	...
...	19·304	-33·406	0·70	47·3590	10·4	...	...	12·652	+38·531	0·80	...		...	4·680	-57·601	1·00	47·3619	9·9
*	-19·244	-35·362	1·00	47·3589	9·8	...	...	-12·651	-26·703	-4	D	...	...	-4·613	+43·356	1·00	46·3953	10·2
...	18·887	+5·714	-5	...			...	12·560	+25·927	0·85	46·3942	10·4	...	4·496	-22·156	-2	47·3620	10·4
...	18·821	+31·626	-2	...			...	12·542	-16·758	-1	...		...	4·454	-22·245	-5	M m	...
...	18·718	+35·514	-4	...			...	12·318	+23·841	-5	A	...	...	4·258	-20·335	-5	M m	...
...	18·718	-1·779	-5	M	...		...	12·297	+23·079	-4	...		...	4·228	-24·090	2·00	47·3622	9·0

311, 313. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
421-480																		
421	,	,	,	,	,	481	,	,	,	,	,	541	,	,	,	,	,	
...	- 4°220	+25°454	- 4	m	...	†	+	3°834	-30°039	- 5	...	*	+ 10°302	+ 9°288	1°10	46°3971	9°9	
...	4°220	-14°434	0°75	...	...	*	3°982	-54°726	1°05	47°3637	9°8	*	10°574	-57°884	1°40	47°3649	9°3
...	4°158	-25°223	- 4	M m	...	...	3°995	-42°458	- 2	47°3636	10°4	...	10°594	-17°572	- 4	...	...
...	4°118	-22°859	- 5	M m	...	...	4°117	-19°930	0°70	47°3635	10°1	...	10°624	- 0°704	- 5	m	...
...	4°029	-40°102	- 4	47°3623	10°4	...	4°520	-13°627	- 4	M	...	*	10°629	-45°288	1°20	47°3650	9°6	
...	- 3°752	+20°502	0°90	46°3954	10°2	...	+	4°591	+ 4°515	- 5	M m	...	*	+ 10°665	+40°796	1°15	46°3972	9°8
...	3°595	- 0°476	- 5	M m	...	...	4°621	-29°241	- 5	M	...	*	10°667	- 0°495	1°50	46°3973	9°4
...	3°265	-38°495	- 5	...	...	...	4°632	-17°004	1°00	47°3638	10°0	...	10°705	-18°525	- 3	...	...
...	3°250	-45°569	- 4	...	...	...	4°635	-37°475	- 5	...	...	...	10°773	-38°580	- 4	...	...
S *	2°938	-53°096	2°00	47°3624	9°2	...	4°677	+25°098	- 5	...	...	...	11°130	-22°914	- 5	m	...
431						491						551						
...	- 2°670	-15°535	- 5	M m	...	*	+	4°698	+28°019	1°30	46°3962	9°4	...	+ 11°149	-20°211	- 4
...	2°587	+24°312	0°90	...	...	†	4°923	-11°586	0°90	47°3639	10°2	...	11°153	-22°694	0°70	47°3651	10°1
...	2°498	-31°272	- 5	m	...	...	4°923	-27°414	- 4	...	...	...	11°246	+20°139	- 5	m	...
...	2°474	-19°907	0°70	47°3626	10°4	...	4°946	-16°379	- 5	...	...	...	11°384	-37°173	- 5	...	...
...	2°354	+17°515	- 3	...	...	...	5°219	-19°847	- 5	M	...	...	11°598	-43°727	- 5	...	...
...	- 1°793	- 9°844	0°70	...	...	...	5°250	+31°165	- 5	m	...	...	+ 11°650	-47°718	- 5	...	...
...	1°699	-22°212	0°70	...	...	*	5°262	-30°816	1°10	47°3640	9°8	*	11°839	-39°214	1°00	47°3652	10°0
...	1°611	+43°598	- 4	...	...	...	5°329	+38°782	0°90	46°3963	10°0	*	12°087	-28°851	3°40	47°3653	8°0
...	1°445	-27°176	- 5	m	...	...	5°365	+35°142	- 4	...	...	*	12°315	-22°476	1°40	47°3654	9°4
...	1°158	-24°136	1°10	47°3627	9°8	...	5°507	-1°737	- 3	M	...	...	12°317	-43°751	- 4	...	...
441						501						561						
...	- 1°144	+27°895	- 4	A m	...	S †	+	5°599	+24°850	2°40	46°3964	9°0	...	+ 12°347	-12°750	- 3	47°3655	10°4
...	1°047	- 7°520	- 5	M m	...	...	5°678	+35°895	- 4	...	...	...	12°417	+48°002	- 5	m	...
...	0°903	-45°533	- 1	47°3628	10°4	...	5°722	-30°352	- 5	M m	...	...	12°544	-23°730	- 5	...	...
...	0°865	-18°357	- 5	M m	...	...	5°896	- 6°002	- 3	46°3965	10°4	*	13°080	-11°859	1°25	47°3656	9°8
...	0°818	-21°389	- 5	M m	...	...	5°997	-38°891	- 5	M m	...	...	13°232	-49°599	- 5	...	...
...	- 0°610	-40°921	- 4	...	...	...	6°018	+26°252	- 5	m	...	...	+ 13°467	+45°856	- 3	46°3974	10°4
...	0°515	-38°509	- 5	M	...	...	6°095	-15°343	0°80	...	...	...	13°500	-43°836	- 5	...	...
*	0°338	-37°611	1°00	47°3629	10°0	...	6°103	+25°837	- 5	M m	...	...	13°591	+ 0°685	- 4	m	...
...	0°312	+21°540	0°80	46°3955	10°4	...	6°226	-14°870	- 5	M m	...	...	13°591	-32°074	0°65	47°3658	10°2
...	0°258	-43°068	- 4	...	...	...	6°418	-34°820	- 5	M	...	...	13°681	+17°251	0°95	46°3976	10°2
451						511						571						
...	- 0°099	-53°155	1°30	47°3630	9°6	...	+	6°772	- 9°671	- 5	M m	+ 13°776	-29°223	- 4
...	0°094	+ 4°209	1°30	46°3956	9°8	*	6°774	-25°337	1°00	47°3641	10°0	...	13°865	-13°135	- 2	47°3659	10°4	
...	0°049	-28°364	- 5	...	...	...	6°990	-22°547	- 5	M m	...	...	13°926	+31°440	- 2	46°3975	10°4
...	- 0°017	-11°894	- 5	M m	...	...	7°088	-37°430	0°80	47°3642	10°2	...	14°108	-40°772	- 5	...	...
...	+ 0°105	-33°418	- 4	...	...	...	7°161	+38°675	- 5	...	...	...	14°146	-35°457	- 4	...	...
...	+ 0°156	+13°598	- 5	m	...	...	7°216	- 5°027	- 5	M m	...	*	+ 14°215	+59°106	2°00	45°4096	9°3
...	0°486	- 9°113	- 5	m	...	...	7°505	+49°341	- 2	46°3966	10°4	...	14°262	+ 3°702	- 5	...	...
...	0°498	-21°358	0°70	47°3631	10°2	*	7°657	+13°768	2°00	46°3967	9°2	...	14°350	-35°183	- 5	...	...
...	0°706	-27°756	- 4	...	...	...	7°897	+ 2°574	- 3	...	...	...	14°402	+22°384	0°70	46°3977	10°2
...	0°821	+22°294	- 4	...	...	...	7°900	+27°623	- 5	m	...	...	14°416	- 2°660	0°70	46°3978	10°2
461						521						581						
...	+ 0°988	+ 8°514	0°90	46°3957	10°4	...	+	8°001	+12°323	- 4	m	+ 14°530	+12°063	1°00	46°3979	10°0
...	0°995	-15°192	- 5	M m	...	...	8°083	+24°049	- 4	...	...	...	14°620	- 7°621	0°75	47°3660	10°2
...	1°149	-37°735	1°00	47°3633	10°0	...	8°098	-43°500	0°70	47°3643	10°4	...	14°657	-49°077	- 4	...	...
...	1°262	-10°329	- 5	M m	...	...	8°174	+30°541	0°90	46°3968	10°2	...	15°081	-20°300	- 5	...	...
...	1°588	+21°686	- 4	...	...	...	8°322	-26°067	- 4	...	...	...	15°637	+10°597	- 3	46°3980	10°4
...	+ 1°604	-58°371	- 4	...	...	...	8°437	+ 6°217	- 5	m	...	...	+ 15°735	-33°343	- 5	...	...
...	1°606	+39°261	- 5	m	...	...	8°616	-59°808	- 1	47°3644	10°2	...	16°020	+ 4°584	- 4	...	...
S *	1°663	-26°830	3°00	47°3634	8°0	...	8°763	- 3°235	- 5	m	...	*	16°033	- 0°768	1°35	46°3981	9°6	
N	1°763	+28°121	- 5	46°3958	10°4	...	8°789	+ 5°997	- 5	m	...	...	16°127	+48°153	- 5	...	...
...	1°898	+51°998	0°70	46°3959	10°2	...	8°892	-13°112	- 5	...	...	*	16°241	-11°139	1°30	47°3661	9°8
471						531						591						
...	+ 2°436	+18°429	- 5	m	+	9°020	- 6°495	0°65	46°3969	10°4	...	+ 16°291	-43°447	- 5	m	...
...	2°606	+44°610	0°80	46°3960	10°1	...	9°035	-39°417	0°80	47°3646	10°4	...	16°416	+ 1°047	- 5	m	...	
*	2°951	+44°012	2°60	46°3961	9°0	...	9°202	+53°317	0°70	45°4082	10°2	*	16°569	- 9°795	1°05	47°3662	9°9	
...	2°999	-44°341	- 5	M m	...	...	9°490	+21°610	- 5	m	...	...	16°618	-23°743	- 1	...	...
...	3°094	-32°325	- 4	...	...	...	9°700	-39°435	- 5	...	...	...	16°715	+14°472	- 5	m	...
...	+ 3°274	-41°914	- 5	...	...	+	9°820	+41°710	1°00	46°3970	9°8	...	+ 16°768	-31°845	0°75	47°3663	10°0
...	3°539	-25°979	- 5	M m	...	†	9°847	-33°138	- 5	...	...	...	16°933	- 1°779	- 5	m	...
...	3°550	+45°442	- 4	...	...	...	9°923	- 8°102	- 4	...	...	...	17°024	+ 0°507	- 5	m	...
...	3°607	-15°610	- 3	...	...	†	9°939	-35°192	2°40	47°3648	9°0	...	17°082	-24°835	- 4	...	...
...	3°769	-49°582	- 5	m	...	...	10°064	-19°685	- 5	m	...	*	17°173	+16°778	1°35	46°3982	9°6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
601-660																		
601	+17·305	-10·799	-5	° m	...	...	+24·135	-54·046	-5	°	...	...	721	+31·628	+33·086	1·00	45·4001	10·0
...	17·308	+28·771	-4	46·3983	10·4	†	24·742	-28·182	-4	...	...	...	...	31·634	-52·214	-1	47·3690	10·2
*	17·467	-30·201	2·00	47·3664	9·2	†	24·852	-34·810	1·00	47·3679	10·4	...	31·736	-44·845	-5	...	...
...	17·531	-15·520	-2	...	...	...	25·410	+34·223	-5	m	...	...	...	31·778	+42·543	-5	...	...
...	17·539	-41·249	-5	...	...	...	25·974	+53·197	-5	...	...	...	...	32·492	+31·450	1·90	46·4002	9·4
...	+18·121	+29·578	-5	m	...	...	+26·005	+59·191	-5	...	...	...	...	+32·574	+54·766	-4	45·4136	10·4
...	18·232	-7·933	0·80	47·3666	10·1	...	26·020	+41·576	-3	...	...	...	...	32·779	+17·785	-5	m	...
...	18·599	-32·958	0·70	47·3667	10·1	...	26·181	-55·584	-5	...	...	...	...	32·787	-21·706	-4	...	...
...	18·655	-21·699	-5	...	...	...	26·226	+46·175	-5	...	...	...	...	33·089	-44·704	-5	m	...
...	18·819	+54·288	-3	45·4106	10·4	...	26·279	-48·463	1·00	47·3681	9·9	...	...	33·210	-47·424	-5	...	...
661-720																		
661	+17·305	-10·799	-5	° m	...	...	+24·135	-54·046	-5	°	...	...	731	+33·461	+28·523	1·00	46·4003	10·0
...	17·308	+28·771	-4	46·3983	10·4	†	24·742	-28·182	-4	...	...	...	...	33·472	+27·158	-4	...	...
*	17·467	-30·201	2·00	47·3664	9·2	†	24·852	-34·810	1·00	47·3679	10·4	...	33·514	-3·706	-5	m	...	
...	17·531	-15·520	-2	...	...	...	25·410	+34·223	-5	m	...	...	...	33·751	-22·488	1·40	47·3691	9·6
...	17·539	-41·249	-5	...	...	...	25·974	+53·197	-5	...	...	...	...	33·807	-24·095	-5	m	...
...	+18·121	+29·578	-5	m	...	...	+26·005	+59·191	-5	...	...	...	...	+34·282	-12·909	1·60	47·3692	9·4
...	18·232	-7·933	0·80	47·3666	10·1	...	26·020	+41·576	-3	...	...	...	...	34·518	-28·227	-5	m	...
...	18·599	-32·958	0·70	47·3667	10·1	...	26·181	-55·584	-5	...	...	...	...	34·702	+12·380	-4	m	...
...	18·655	-21·699	-5	...	...	...	26·226	+46·175	-5	...	...	...	...	35·090	+47·062	-5	...	...
...	18·819	+54·288	-3	45·4106	10·4	...	26·279	-48·463	1·00	47·3681	9·9	...	...	35·114	+42·081	-4	...	...
721-780																		
721	+31·628	+33·086	1·00	45·4001	10·0	...	...	...	...	...	...	...	...	31·634	-52·214	-1	47·3690	10·2
...	31·736	-44·845	-5	...	...	...	...	...	...	...	...	...	...	31·778	+42·543	-5	...	...
...	31·778	+42·543	-5	...	...	...	...	...	...	...	...	...	...	32·492	+31·450	1·90	46·4002	9·4
...	32·492	+31·450	1·90	46·4002	9·4	...	...	...	...	...	...	...	...	32·779	+17·785	-5	m	...
...	32·779	+17·785	-5	m	...	...	...	...	...	...	...	...	...	32·787	-21·706	-4	...	...
...	32·787	-21·706	1·40	47·3691	9·6	...	...	...	...	...	...	...	...	33·089	-44·704	-5	m	...
...	33·089	-44·704	-5	m	...	...	...	...	...	...	...	...	...	33·210	-47·424	-5	...	...
611-670																		
611	+19·245	+31·947	4·00	46·3984	7·8	...	+26·308	-32·457	-4	...	...	...	...	+33·461	+28·523	1·00	46·4003	10·0
...	19·309	+18·510	-4	...	...	...	26·331	+51·054	2·00	46·3989	9·2	...	...	33·472	+27·158	-4	...	...
...	19·382	+22·291	-4	...	...	...	26·420	-20·647	0·90	47·3680	10·4	...	...	33·514	-3·706	-5	m	...
...	19·518	-25·952	0·70	47·3668	10·4	*	26·427	-29·885	1·00	47·3682	9·9	*	...	33·751	-22·488	1·40	47·3691	9·6
...	19·708	+26·359	-5	...	...	...	26·518	+13·899	0·70	46·3990	10·4	...	...	33·807	-24·095	-5	m	...
*	+19·726	-44·539	1·10	47·3670	9·8	...	+26·840	-5·895	-5	m	...	...	...	+34·282	-12·909	1·60	47·3692	9·4
†	19·773	+7·756	-2	46·3985	10·2	...	26·925	+48·196	-1	46·3991	10·4	...	...	34·518	-28·227	-5	m	...
†	19·888	-45·401	-5	...	...	...	26·926	+16·868	0·80	46·3992	10·4	...	...	34·702	+12·380	-4	m	...
...	19·930	+8·832	-4	...	...	...	26·933	+15·816	-5	m	...	...	...	35·090	+47·062	-5	...	...
*	20·012	+56·260	2·00	45·4111	9·0	...	26·977	+17·076	-5	m	...	...	...	35·114	+42·081	-4	...	...
681-740																		
681	+20·073	+12·411	-5	m	...	*	+27·033	+27·995	2·00	46·3993	9·4	*	...	+35·281	-28·119	1·00	47·3693	9·9
...	20·120	-10·986	-4	...	...	...	27·047	+52·045	-5	...	...	*	...	35·346	+36·316	1·80	46·4004	9·5
...	20·203	+9·153	0·70	...	...	...	27·167	+7·426	0·95	46·3994	10·4	...	...	35·682	-18·726	-4	...	...
...	20·371	+6·005	-5	m	...	...	27·240	+40·884	-1	...	...	...	...	35·709	-17·521	0·70	...	...
...	20·848	-8·367	0·70	...	...	*	27·346	+10·264	1·30	46·3996	9·8	...	...	35·907	-21·030	-3	...	...
*	+20·867	+51·156	2·00	46·3986	9·4	...	+27·370	-9·571	-5	m	...	...	...	+35·943	+19·966	0·90	46·4005	10·2
*	20·872	-59·089	1·10	47·3672	9·8	...	27·425	-4·995	-4	...	...	...	...	36·562	-32·618	-5	m	...
...	20·920	-41·518	-4	...	...	...	27·628	+57·401	-5	...	...	*	...	36·687	-36·942	1·00	47·3695	10·2
...	20·982	+2·714	-5	m	...	...	27·647	-9·594	-5	m	...	...	...	36·737	+19·441	1·20	46·4006	9·8
...	21·158	-6·473	-4	m	...	...	27·665	+52·581	-1	46·3995	10·2	*	...	37·473	-53·228	1·10	47·3697	9·8
691-750																		
691	+21·204	-48·433	-4	...	...	...	+27·695	-20·768	0·90	47·3683	10·4	...	...	+37·856	+6·838	-5	m	...
...	21·350	+2·747	-5	m	...	*	27·709	+15·144	1·20	46·3997	9·8	...	...	37·943	+16·696	0·65	46·4009	10·4
...	21·447	+8·656	-5	m	...	...	27·761	-56·542	-4	...	...	*	...	37·960	+11·544	1·20	46·4008	9·8
...	21·465	+55·243	-1	45·4114	10·4	...	27·776	+43·121	-5	...	...	*	...	37·966	+18·406	1·00	46·4007	9·8
N	21·739	+47·456	-1	46·3987	10·1	...	27·890	+14·742	-2	...	...	S *	38·101	+15·258	1·40	46·4010	9·4	
*	+21·775	+57·743	2·00	45·4115	9·2	...	+27·890	-49·790	-1	47·3685	10·1	...	...	+38·208	-15·243	-5	m	...
...	21·879	+17·136	0·70	...	...	...	28·006	-41·603	-5	m	...	...	...	38·436	-32·287	-3	...	...
...	21·881	-19·646	-4	...	...	...	28·021	-20·776	0·90	47·3684	10·4	*	...	38·460	+19·197	1·40	46·4011	9·2
...	22·119	-28·840	-4	b	...	...	28·259	+8·409	-5	m	...	...	...	38·468	-56·950	-3	47·3699	10·2
...	22·123	-19·682	1·00	47·3673	10·2	*	28·315	+33·163	1·10	46·3998	9·9	S *	38·947	-12·632	1·40	47·3698	9·3	
641	+22·411	-3·460	-5	m	+28·363	-40·657	-5	m	...							

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No. 59

CAPE ASTROGRAPHIC ZONE.

1902·08

9^b 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
781-810																		
781	+43°036	-12°080	-5	o	...	...	...	+47°998	-13°167	-4	o	...	841	+54°272	+40°777	0°80	46°4032	10°0
...	43°127	+2°090	-5	e	...	...	...	48°019	+40°983	-3	46.4024	10°2	...	54°499	+34°995	0°70	46.4034	10°2
...	43°233	+45°749	-4	...	...	...	...	48°025	+15°474	-5	...	...	...	54°539	-39°767	--3	47.3723	10°1
...	43°246	+56°373	-5	...	...	...	...	48°240	-35°994	-5	e	...	...	54°574	+24°564	0°70	46.4035	10°2
...	43°338	+38°179	-5	...	...	...	...	49°078	-4°311	-5	...	...	...	54°673	-45°402	-1	47.3724	9°8
+	+43°424	-25°089	1°15	47.3703	9°8	...	...	+49°167	-39°327	-5	e	...	...	+54°689	+14°521	-3	46.4036	10°4
...	43°490	-45°210	-5	...	...	...	...	49°183	-14°038	0°65	47.3713	10°2	*	55°170	-38°872	1°15	47.3725	9°8
*	43°612	+46°745	3°00	46.4016	8°8	...	...	49°267	-37°550	-5	...	...	f	55°400	-0°260	0°70	46.4038	10°4
...	43°625	+37°699	-5	...	...	...	...	49°561	-53°948	-2	47.3714	10°2	...	55°471	+25°693	-5	46.4037	10°4
...	43°855	-42°861	-4	47.3706	10°4	...	...	49°564	+36°815	-3	46.4025	10°4	...	56°278	+30°925	-3	46.4039	10°4
791	+43°874	+25°356	-5	...	...	...	821	+49°620	+20°060	-5	...	...	851	+56°934	+8°352	0°90	46.4043	10°1
...	43°904	-4°975	-5	e	...	*	...	50°100	-44°441	2°00	47.3715	9°0	†	56°947	-50°016	-5	47.3727	10°4
...	44°315	+26°437	-5	...	...	*	...	50°240	+36°304	1°20	46.4026	9°6	...	56°979	+34°031	-5	...	...
*	44°405	+25°092	1°10	46.4017	9°8	...	...	50°259	+5°229	-4	...	...	s	57°144	+49°654	4°00	46.4040	8°1
†	44°771	+26°227	-2	46.4019	10°4	...	...	50°456	-57°829	-4	47.3717	10°0	*	57°191	-31°656	1°80	47.3726	9°6
+	+44°793	+19°065	1°00	46.4020	9°9	...	...	+50°546	-6°044	-4	46.4028	10°4	...	+57°196	+47°455	-3	46.4041	10°1
...	45°002	+48°992	-3	46.4018	10°2	...	...	50°913	+51°727	-5	46.4027	10°4	...	57°435	+34°031	-3	46.4042	10°4
*	45°264	-48°186	2°20	47.3707	9°0	...	...	50°953	-49°446	-3	47.3718	10°2	...	57°805	-21°081	-4	47.3728	10°4
...	45°332	-53°299	-3	47.3708	10°4	...	...	50°998	-19°792	-1	47.3716	10°2	...	57°864	+50°142	-3	46.4044	9°9
...	45°863	+22°245	-5	...	...	...	831	51°622	-16°681	1°10	47.3719	9°8	...	58°020	+10°303	1°30	46.4045	9°5
801	+46°011	-47°534	1°00	47.3709	9°8	...	...	+51°673	+51°276	-5	46.4029	10°4	861	+58°028	-28°509	-5	...	...
...	46°199	-46°764	-2	47.3710	10°2	...	...	52°331	-34°010	-5	...	...	...	58°179	+55°823	-5	45.4185	10°4
...	46°272	+52°398	-4	...	...	...	...	52°668	+26°832	-5	...	...	...	59°274	+36°676	-4	...	...
*	46°672	+12°944	1°00	46.4022	10°2	...	...	53°190	+40°500	0°70	46.4030	10°0	...	59°526	-44°014	-3	47.3732	10°2
...	46°850	-45°692	-4	47.3711	10°4	s *	...	53°353	-44°114	2°40	47.3720	8°8	...	59°614	+20°755	-5	e	...
*	+46°897	+42°976	2°50	46.4021	8°8	...	...	+53°559	+34°052	0°65	46.4031	10°1	†	+59°678	-36°354	2°00	47.3731	9°0
...	47°259	-3°230	-4	...	...	...	...	53°567	+5°180	-2	...	...	†	59°702	-19°794	-3	47.3730	10°2
...	47°662	-54°382	-2	47.3712	10°2	...	...	53°953	-15°507	0°70	47.3721	10°0	...	...	...	...	...
...	47°903	+1°873	-5	e	...	*	...	54°014	+22°239	1°80	46.4033	9°3	
...	47°914	+38°133	1°00	46.4023	9°8	54°047	-46°185	-5	

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No. 60

D,-3

1902·06

9^b 55^m

1-20					21-40					41-60								
I	-59°899	-6°094	-4	o	-57°242	+42°547	-5	o	...	41	-53°372	+20°007	-5	o	...	
...	59°550	-48°523	-4	47.3701	10°0	...	57°179	+22°067	-5	...	...	†	53°299	-54°763	-5	...	...
...	59°521	-9°789	-4	...	...	...	57°108	-43°083	-5	47.3706	10°4	*	53°247	+36°254	1°40	46.4026	9°6
...	59°282	+25°116	-5	...	...	...	57°105	-15°905	-5	...	...	...	53°130	-4°373	-4	...	...
...	59°274	+1°861	-5	E	...	*	56°809	+42°820	2°60	46.4021	8°8	...	53°087	+51°698	-4	46.4027	10°4	
*	-59°185	-27°704	1°20	47.3702	9°8	...	-56°367	-21°687	-5	M	...	...	-52°957	-36°061	-5	E	...
...	58°967	+26°891	-5	M	...	...	56°069	+12°793	1°00	46.4022	10°2	...	52°930	-54°470	-1	47.3712	10°2
...	58°919	-12°326	-4	...	...	*	55°641	+38°011	1°00	46.4023	9°8	...	52°926	+5°015	-4	B	...
...	58°915	+48°775	-3	46.4018	10°2	...	55°628	+40°860	-3	46.4024	10°2	...	52°711	-14°093	-1	47.3713	10°2	
...	58°885	+26°226	-5	...	...	...	55°541	-48°361	2°70	47.3707	9°0	...	52°287	+51°274	-4	46.4029	10°4
II	-58°731	+24°876	1°15	46.4017	9°8	...	31	-55°300	-53°474	-4	47.3708	10°4	51	-52°244	+5°191	-4
...	58°672	-45°694	-5	M	...	†	54°973	-3°337	-4	...	...	...	52°005	+22°658	-5	M	...
...	58°595	-59°600	-5	...	...	†	54°962	+10°256	-5	M	...	...	51°944	-57°839	-5	...	...
...	58°412	+26°004	-1	46.4019	10°4	...	54°820	+15°372	-5	...	...	...	51°895	-39°371	-5	E	...
...	58°288	-5°205	-5	E	...	...	54°810	-47°681	-1	47.3709	9°8	...	51°865	-37°582	-5	...	...
*	-58°168	+18°849	1°00	46.4020	9°9	...	-54°650	-46°907	-2	47.3710	10°2	...	-51°585	-6°056	-2	46.4028	10°4	
*	58°114	-25°312	1°30	47.3703	9°8	...	54°502	+1°773	-4	E	...	...	51°376	+27°121	-5	M	...
...	57°739	+52°219	-5	...	...	...	54°030	-45°808	-4	47.3711	10°4	...	51°066	-53°981	-1	47.3714	10°2
...	57°600	+17°156	-5	M	...	...	53°950	+36°741	-1	46.4025	10°4	...	51°011	+17°684	-5	M	...
...	57°392	-45°445	-5	53°916	-13°262	-4	*	50°821	-44°461	2°00	47.3715	9°0	

L measured from 1, 329, 705.
C " " 144, 540, 956.9^b 55^m

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- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
61-120																		
61	-50°715	-19°778	0°65	47°3716	10°2	121	-43°384	+21°013	-3	°E	...	181	* -34°372	+26°928	1°00	46°4055	10°0	
...	50°710	+50°860	-5	...	...	...	43°309	+6°550	-5	M	...	...	34°008	+57°894	-5	M	...
...	50°529	+26°873	-3	...	...	...	42°265	+44°943	1°00	46°4048	10°1	...	33°938	-49°596	-1	47°3739	10°2
...	50°514	+27°474	-5	M	...	*	42°119	-2°980	1°00	46°4047	10°0	*	33°922	-18°413	1°15	47°3740	9°9	
...	50°430	+40°550	-1	46°4030	10°0	...	42°018	-19°487	0°90	47°3730	10°2	...	33°680	-41°384	4	...	...
*	-50°180	-16°659	1°20	47°3719	9°8	...	-42°002	-3°568	-3	...	...	...	-33°639	-34°354	-4	...	...
†	50°058	-57°810	-4	47°3717	10°0	...	41°953	+14°745	0°90	46°4049	10°4	...	33°390	+4°382	0°65	46°4056	10°4	
†	49°998	-33°703	-5	...	...	...	41°810	-31°176	-5	M	...	...	33°330	+32°623	0°80	46°4057	10°0
†	49°951	-14°852	-5	M	...	...	41°647	+8°406	-1	...	...	...	33°306	+37°061	-4	M	...
...	49°879	+34°117	-1	46°4031	10°1	*	41°625	+33°712	2°00	46°4050	9°4	...	33°206	-53°771	-3	47°3741	10°1	
71	-49°810	-49°420	-1	47°3718	10°2	131	-41°508	-36°060	2°00	47°3731	9°0	191	-33°172	+14°561	-5	M	...	
...	49°604	-4°799	-5	M	...	...	41°416	-43°737	-1	47°3732	10°2	...	33°050	+33°526	-5	M	...
...	49°435	-17°860	-5	M	...	...	41°395	+34°716	-4	M	...	...	32°894	-55°923	-5	...	...
...	49°305	+40°862	-1	46°4032	10°0	...	41°228	+10°791	-3	...	...	*	32°669	-54°329	1°35	47°3742	9°3
*	49°029	+22°336	2°00	46°4033	9°3	...	41°091	+29°735	-5	...	...	...	32°499	-25°390	0°65	47°3743	10°2
...	-48°946	+35°096	-1	46°4034	10°2	...	-40°966	+41°671	-5	M	...	...	-32°184	+22°573	-4	...	...
...	48°943	+5°252	0°90	...	...	...	40°929	+43°420	-3	...	...	...	32°065	+32°463	-5	M	...
...	48°913	-33°958	-4	...	...	...	40°749	+55°497	-5	M	...	...	31°818	+24°877	-4	M	...
...	48°860	-25°181	-4	...	...	...	40°659	-1°973	-4	M	...	...	31°644	-16°463	-4	M	...
...	48°586	-16°418	-5	M	...	...	40°591	-7°778	0°70	...	...	...	31°357	+56°781	-5	...	...
81	-48°566	+24°651	0°95	46°4035	10°2	141	-40°499	-16°854	1°15	47°3734	9°8	201	-31°041	+30°610	-3	...	...
...	48°122	+14°624	0°90	46°4036	10°4	...	40°212	+51°203	-4	46°4051	10°4	...	30°840	+13°772	-5	M	...	
...	47°928	+26°907	-5	M	...	†	40°102	+59°254	-4	45°4194	10°4	...	30°802	-33°403	-5	M	...	
...	47°888	-15°396	1°00	47°3721	10°0	...	39°991	+42°827	-4	...	...	...	30°719	-11°968	-3	47°3744	10°4
...	47°689	-37°346	-5	M	...	*	39°927	-46°165	1°15	47°3736	9°5	*	30°692	+45°200	1°20	46°4058	9°4	
S *	-47°678	+25°816	-4	46°4037	10°4	...	-39°642	+49°856	-4	...	...	...	30°657	+32°020	-5	M	...
...	47°588	-44°029	2°45	47°3720	8°8	...	39°552	+6°801	-4	...	...	...	30°632	-11°833	-5	M	...
...	47°296	+59°596	-4	M	...	...	39°019	-54°644	-5	...	...	...	30°477	+41°553	-2	46°4059	10°4
...	47°056	+31°073	0°70	46°4039	10°4	...	38°969	+33°476	-5	...	...	...	30°372	+19°726	-5	M	...
...	47°021	-44°198	-5	M	...	...	38°463	+19°721	-5	M	...	†	30°336	+44°924	-4	46°4060	10°4
91	F	-0°131	0°95	46°4038	10°4	151	-38°166	-36°569	-5	M	...	211	-30°195	-56°107	-3	47°3745	10°4	
...	46°798	-46°069	-4	...	...	...	38°085	-47°544	-3	...	...	...	30°065	+45°319	-3	46°4062	10°2
S *	46°749	+49°813	3°65	46°4040	8°1	...	38°006	+12°659	-5	M	...	...	29°976	-35°244	-4	...	...
...	46°662	+47°622	-2	46°4041	10°1	...	37°940	+44°127	-5	...	...	...	29°902	-34°171	-5	M	...
...	46°650	+14°480	-5	M	...	...	37°849	+12°556	-4	...	...	*	29°900	+25°285	1°05	46°4061	9°8
...	46°545	-39°642	0°80	47°3723	10°1	†	-37°792	-4°841	1°00	46°4052	9°8	...	-29°772	+11°826	-4	M	...	
...	46°441	+34°196	-5	...	...	...	37°601	+14°394	-4	...	...	...	29°374	+6°243	-5	M	...
...	46°208	-45°271	0°95	47°3724	9°8	...	37°225	+3°370	-5	M	...	...	29°048	+20°214	-5	M	...
...	46°078	+50°335	-1	46°4044	9°9	...	37°138	+23°349	-3	...	...	...	29°046	-37°181	0°90	47°3746	9°9
...	45°988	+34°210	-4	46°4042	10°4	...	36°866	+8°187	-5	M	...	...	29°034	+37°329	-5	M	...
101	-45°937	+56°007	-4	45°4185	10°4	161	-36°833	+20°975	-5	B	...	221	-28°895	+54°735	-2	45°4219	10°1	
*	45°930	-38°737	1°15	47°3725	9°8	...	36°781	+20°840	-4	A	...	...	28°811	+21°889	-3	...	...
*	45°677	+8°526	1°00	46°4043	10°1	...	36°736	-52°114	0°80	47°3737	10°0	...	28°792	+11°652	-3	...	...
...	45°310	-44°025	-5	M	...	...	36°556	+21°654	-3	46°4053	10°4	...	28°676	+29°408	-5	M	...
...	45°147	-11°951	-5	M	...	*	36°238	-29°992	1°00	47°3738	9°9	...	28°653	+38°440	-5	M	...	
...	45°144	-37°448	-5	M	...	...	36°189	-8°552	-4	...	...	...	28°642	+14°009	-5	M	...
*	44°654	+10°524	1°70	46°4045	9°5	...	36°019	-8°230	-4	M	...	...	28°559	-29°358	-4	...	...
...	44°434	+40°325	-5	M	...	...	35°987	+53°288	-3	45°4203	10°2	...	28°508	+55°816	-5	M	...
...	44°325	-48°944	-5	...	...	...	35°895	-21°356	-1	...	...	...	28°499	+41°500	-5	M	...
...	44°236	+36°923	-4	...	...	...	35°647	-2°123	-4	M	...	*	28°327	+9°101	1°15	46°4063	9°6
III	*	-44°159	-31°452	1°40	47°3726	9°6	171	-35°419	-43°469	-5	M	...	231	-28°209	+25°422	0°70	46°4064	10°2
...	43°858	-20°859	-2	47°3728	10°4	...	35°384	+10°419	-5	M	...	...	28°183	+26°674	-5	M	...
...	43°819	+40°302	-4	M	...	...	35°349	-3°366	-5	M	...	...	27°995	-24°042	-5	...	...
†	43°804	-49°818	-4	47°3727	10°4	...	35°167	-11°083	-5	M	...	...	27°864	+26°630	-5	M	...
...	43°770	+10°463	-5	M	...	*	35°041	-43°160	-5	...	...	...	27°863	+38°445	-4	...	...
...	-43°762	+50°235	-5	M	...	...	-34°858	+19°304	-4	M	...	...	-27°852	+57°901	-5	...	...
...	43°717	+41°288	-5	M	...	...	34°740	+51°267	-3	46°4054	10°4	...	27°825	+35°148	-3	...	...
...	43°614	+50°483	-5	...	...	...	34°684	-34°034	-5	...	...	...	27°719	-8°998	-5	...	...
...	43°476	+32°952	-1	46°4046	10°2	...	34°654	+2°867	-4	M	...	...	27°644	-41°135	-5	...	...
...	43°402	-28°284	-4	...	...	...	34°450	+57°841	-4	...	...	...	27°634	-38°927	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
241-300																		
241	-27.608	-7.350	-5	°M	...	...	-23.159	-5.452	-5	°M	...	...	361	-17.559	+44.647	-3	°	...
...	27.536	-28.415	0.65	...	...	...	22.988	-27.269	-1	...	...	...	...	17.500	+14.422	0.70	...	...
...	27.358	+58.123	-5	...	...	...	22.893	+33.826	-4	...	...	...	...	17.289	-10.729	-4	M	...
*	27.237	-35.017	2.20	47.3747	8.5	...	22.729	-9.640	-5	M	...	...	...	17.221	-26.316	-5	M	...
...	27.190	+40.904	-4	...	...	...	22.708	+29.625	-5	M	...	...	...	17.120	+17.592	-5	M	...
...	-27.033	-27.293	-3	...	...	...	-22.572	-16.325	-5	M	...	...	...	-17.104	-44.111	-4	...	...
...	27.022	-40.520	-5	M	...	...	22.541	+15.753	-4	...	...	...	...	17.058	-7.669	0.90	47.3768	10.4
*	26.906	+16.144	1.20	46.4065	9.8	...	22.515	-47.851	-5	...	...	...	...	16.903	-23.601	0.80	...	...
...	26.829	+51.008	-4	46.4066	10.4	...	22.424	+3.103	-5	M	...	...	...	16.896	+12.643	-5	M	...
...	26.707	+22.972	-4	...	...	...	22.156	+48.480	0.70	46.4078	10.2	*	16.872	+14.128	1.00	46.4089	9.9	
251	-26.647	-49.081	-5	M	...	...	-22.093	+35.433	-1	46.4079	10.4	...	371	-16.866	-35.765	-2	47.3769	10.4
*	26.641	-13.547	1.50	47.3749	8.8	...	22.043	+12.261	-4	B	...	...	...	16.663	-48.265	-5	M	...
*	26.568	+26.123	1.20	46.4067	9.5	...	21.870	-15.361	-4	...	...	...	...	16.647	+41.113	-4	...	...
...	26.485	+56.648	-4	...	...	...	21.862	+39.067	-5	...	...	...	...	16.584	+18.118	-5	M	...
...	26.451	+6.408	-5	M	...	*	21.803	-7.983	1.10	47.3760	9.8	...	...	16.526	-35.734	-5	M	...
*	-26.435	-42.096	2.00	47.3748	8.8	...	-21.772	+8.656	-5	M	...	...	...	-16.462	-4.358	-5	M	...
†	26.424	+0.040	-3	α	...	...	21.667	-47.695	-5	...	...	...	...	16.163	+35.605	0.70	46.4090	10.4
...	26.404	+16.256	-5	M	...	...	21.561	+0.489	-4	M	...	...	...	16.037	+12.207	-5	M	...
...	26.355	+39.018	-5	M	...	...	21.456	-26.474	-5	M	...	...	...	15.994	+17.797	-5	M	...
...	26.046	-49.906	0.70	47.3750	10.2	n	21.372	+25.574	-3	...	...	...	...	15.987	-3.102	-5	M	...
261	-26.028	+22.070	-5	...	...	n	-21.118	+25.611	-3	46.4080	10.4	381	...	-15.970	+9.114	-4	M	...
...	25.999	+34.464	-5	M	...	...	21.089	+13.386	-4	M	...	...	...	15.551	+54.380	-4	M	...
...	25.941	+26.399	0.85	46.4068	10.1	...	20.793	-17.140	-5	M	...	*	...	15.548	-35.808	2.00	47.3770	9.0
...	25.925	-12.704	-4	M	...	...	20.629	+43.321	-1	46.4081	10.4	...	...	15.491	-34.680	-4	...	...
...	25.921	+44.269	-5	M	...	*	20.417	-12.098	2.70	47.3761	8.1	...	...	15.404	+22.634	-4	...	...
...	-25.910	-45.458	-5	...	...	...	-20.389	+15.373	-4	...	...	...	...	-15.235	+53.415	-1	45.4250	10.4
...	25.859	+28.303	-3	46.4069	10.4	...	20.357	+31.123	-1	46.4082	10.4	†	15.194	+27.316	0.70	...	...
...	25.761	-25.588	-5	M	...	...	20.304	-22.531	-2	...	...	...	...	15.191	+30.134	-4	...	...
...	25.622	+2.888	-4	M	...	†	20.013	+45.234	-5	M	...	...	...	15.029	+25.651	0.95	46.4091	10.1
...	25.611	-50.038	-5	...	...	...	19.993	+33.979	-4	M	...	...	...	14.721	-37.202	-4	A	...
271	-25.481	+2.550	-3	...	...	...	-19.881	-3.295	-2	...	...	...	391	-14.597	+38.947	-5	M	...
...	25.462	-30.442	0.70	47.3751	10.4	...	19.382	-8.792	-2	...	...	...	...	14.393	+43.725	-4	M	...
S *	25.339	-16.822	3.00	47.3752	7.8	...	19.302	+40.352	-2	...	...	...	...	14.363	+1.402	-3	B	...
...	25.329	-27.477	-5	47.3753	10.4	...	19.273	+58.874	0.90	45.4240	10.2	...	...	14.180	+7.902	-4	...	...
S †	-25.199	+24.638	2.80	46.4070	8.4	...	-19.207	-52.508	-5	M	...	...	...	-14.081	-56.524	-3	47.3772	10.2
...	24.784	+57.647	-5	M	...	...	19.185	-2.777	-5	M	...	*	...	14.050	+58.399	1.80	45.4254	9.6
†	24.689	+29.962	-5	M	...	...	19.106	+18.684	-5	M	...	*	...	13.955	+11.195	1.00	46.4093	10.0
*	24.583	-47.650	1.10	47.3754	9.8	*	19.000	+35.227	1.30	46.4083	9.4	...	...	13.892	+19.651	-3	...	...
...	24.413	+9.678	-4	...	...	...	18.914	+43.015	-5	M	...	...	...	13.853	+52.911	-4	...	...
281	-24.405	-34.761	1.00	47.3755	10.0	*	-18.792	-11.003	1.00	47.3763	9.9	...	401	-13.703	+15.443	-5	M	...
...	24.396	+5.870	0.95	46.4071	10.1	*	18.773	-12.799	1.00	47.3762	9.9	...	...	13.626	-39.299	1.00	47.3773	10.2
...	24.362	-3.288	-2	46.4072	10.4	...	18.759	+44.155	-5	M	...	*	...	13.537	+24.364	1.00	46.4094	9.9
...	24.301	+18.652	-1	46.4074	10.4	*	18.633	+57.044	1.15	45.4243	9.8	...	...	13.332	+24.240	-5	M	...
...	24.257	+54.328	-2	45.4229	10.4	...	18.631	+50.229	0.90	46.4085	10.2	†	...	13.243	+5.132	0.70	...	...
*	-24.256	+14.824	1.00	46.4073	10.0	...	-18.601	+10.952	-1	...	...	*	...	-13.174	-49.102	1.00	47.3774	10.1
...	24.081	-30.511	-2	47.3756	10.4	...	18.583	-4.628	0.90	46.4084	10.1	*	...	12.973	-5.167	2.70	46.4095	8.6
...	23.982	+16.943	-5	M	...	*	18.542	+47.898	2.00	46.4086	8.8	...	...	12.846	+27.762	0.70	...	...
*	23.886	-56.171	2.00	47.3757	9.0	*	18.464	-17.056	1.05	47.3764	9.6	...	...	12.801	+33.762	-4	...	...
...	23.857	+58.930	-5	M	...	...	18.428	+31.888	-4	M	...	...	...	12.766	+27.194	0.70	...	...
291	-23.812	-38.546	0.70	47.3758	10.2	...	-18.073	+42.354	-5	M	...	...	411	-12.736	-46.441	-1	...	...
...	23.791	-16.100	-5	...	...	...	18.056	-51.464	-5	...	...	...	...	12.455	+59.152	-1	45.4256	10.4
...	23.776	+34.813	-4	...	...	...	18.039	+19.459	-5	M	...	...	...	12.430	+56.609	-5	M	...
...	23.711	+26.968	-5	M	...	...	18.012	+7.903	0.70	46.4087	10.4	*	...	12.324	-1.530	2.00	46.4096	9.2
*	23.710	+26.170	1.05	46.4075	9.6	...	17.927	+41.055	-5	M	...	...	...	12.298	-32.522	-4	...	...
...	-23.673	+39.400	-3	46.4077	10.4	...	-17.885	-28.335	-4	...	...	...	...	-12.186	+28.401	-2	...	...
*	23.547	+6.135	1.20	46.4076	9.5	...	17.837	+43.517	-4	...	...	...	...	12.143	-21.662	-4	M	...
...	23.468	-33.589	-5	M	...	...	17.794	+35.695	0.85	46.4088	10.4	...	...	12.141	+41.951	-4	M	...
...	23.333	+18.668	-2	...	...	...	17.730	+27.820	0.65	...	...	...	...	12.075	+41.961	-1	...	...
*	23.323	-7.450	1.05	47.3759	9.8	*	17.614	-12.921	1.00	47.3765	9.9	...	...	11.905	-4.646	-4	M	...

320, 321. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
421-480																		
421	-11·815	+42·122	-4	°M	...	*	-6·336	+4·020	2·00	46·4109	9·0	...	-0·045	+34·747	-3	...	...
...	11·814	+12·463	-3	B	...	...	6·299	-13·873	-2	m	...	...	+0·026	-4·006	-4	M m	...
*	11·480	-56·051	1·00	47·3775	6·2	...	6·229	+52·905	1·00	46·4110	10·4	...	0·144	+23·253	-5	M	...	
S *	11·315	-56·232	5·00	47·3775	6·2	...	6·131	-1·632	0·65	m	...	...	0·272	-51·772	-3	M	...
*	11·181	+7·729	1·00	46·4097	9·8	...	6·117	+12·613	0·65	M	...	...	0·355	+1·625	-5	M m	...
...	-11·151	+0·621	0·90	46·4098	10·2	*	-6·076	+22·924	1·10	46·4111	9·8	*	+0·439	-0·679	2·40	46·4126	8·3	
*	11·065	+6·713	1·00	46·4099	10·0	...	5·979	+24·132	1·00	46·4112	10·2	...	0·490	+47·048	-5	M	...	
...	10·916	+3·938	-2	A	...	...	5·865	-2·256	0·90	46·4113	10·2	...	0·694	-41·078	-5	...	...
...	10·789	-40·629	-1	...	...	...	5·553	+14·729	-5	M	...	...	0·733	-29·644	-5	M	...
...	10·750	+40·633	0·90	46·4100	10·4	*	5·308	-11·314	1·20	47·3784	9·6	*	0·746	+43·258	1·20	46·4127	9·3	
431	-10·699	+26·764	-4	...	...	491	-5·152	+3·413	1·05	46·4114	9·6	551	* +0·819	+42·714	1·10	46·4128	9·8
...	10·691	+39·153	0·95	46·4101	10·4	...	4·933	+55·190	-3	45·4267	10·4	...	1·045	+33·047	-3	46·4129	10·4	
...	10·659	+58·589	-5	M	...	...	4·622	+45·312	-3	...	...	...	1·393	+2·422	-5	M m	...
...	10·653	+17·303	-5	M	...	...	4·439	+34·060	-5	M m	...	...	1·422	+27·982	-4	M	...
...	10·629	-24·118	-5	M	...	...	4·230	-18·086	-5	M m	...	...	1·504	-38·236	-5	...	...
...	-10·487	-3·212	-4	M	...	...	4·130	+19·957	-5	M m	...	...	+1·554	+3·169	-5	M m	...
†	10·160	-58·522	-1	47·3777	9·8	...	4·126	-42·811	-5	...	...	...	1·597	-4·295	-3	46·4130	10·4
...	9·829	+17·909	-4	...	...	...	4·024	-8·189	0·70	...	...	...	1·772	+4·259	-5	M m	...
*	9·817	-29·136	0·95	47·3778	10·1	...	4·022	+45·980	-5	M	...	...	2·205	-56·773	0·65	47·3792	10·2
...	9·769	-43·331	-5	...	...	...	3·734	-34·461	-2	...	...	...	2·243	+3·567	-4	M	...
441	*	-9·741	+8·771	1·00	46·4102	9·9	501	-3·469	-47·069	0·70	47·3785	10·4	561	+2·419	+3·789	-5	M m	...
...	9·708	+43·063	-4	...	...	...	3·456	+1·194	-4	M m	...	...	2·449	+30·664	-5	M	...
...	9·556	-51·377	-4	...	...	...	3·335	+6·284	0·90	46·4115	10·0	...	2·457	+38·240	-5	M	...
...	9·469	-10·622	-5	M	...	...	3·238	-22·005	-4	M m	...	...	2·755	-20·256	-5	M	...
...	9·427	+23·516	-5	M	...	...	3·170	-43·397	-5	m	...	...	2·879	+59·018	-5	M	...
...	-9·334	+45·275	-5	M	...	...	3·098	+41·332	-4	...	...	...	+2·999	+32·372	-4	...	...
†	9·291	-9·810	-5	M	...	*	3·079	+8·760	1·15	46·4116	9·8	*	3·014	-29·659	1·05	47·3793	9·6	
†	9·288	-29·876	-2	47·3779	10·4	*	2·943	-9·468	1·00	47·3786	9·8	S N *	3·090	+23·193	2·80	46·4131	8·2	
...	9·242	-5·730	-4	D	...	*	2·688	+27·338	1·00	46·4117	9·8	...	3·389	+3·206	-3	M	...	
...	9·234	+31·409	-4	...	...	...	2·644	+50·861	-1	46·4118	10·4	...	3·403	+34·346	-5	M	...
451	*	-9·195	-26·136	1·20	47·3780	9·4	511	-2·577	-6·306	-2	m	...	571	+3·609	-5·196	-5	M	...
...	9·090	-26·307	-5	M	...	...	2·563	-27·466	-5	M m	...	...	3·811	-48·782	-2	47·3794	10·4
...	8·966	-6·816	-3	...	...	...	2·353	+21·285	-5	M m	...	...	4·000	-43·491	-5	M	...
...	8·912	+23·696	-5	M	...	...	2·344	-37·688	-5	...	...	...	4·132	+0·371	-4	M β	...
...	8·912	-8·368	-5	M	...	*	2·102	-34·631	1·00	47·3787	9·8	...	4·409	+14·552	-4	46·4132	10·4	
...	-8·877	+52·594	1·00	46·4103	10·1	...	2·099	-15·043	-2	A m	...	*	+4·418	+39·971	-5	...	...
*	8·757	-9·559	2·00	47·3781	9·0	...	1·984	+17·769	-5	M m	...	...	4·580	-40·194	-3	...	...
...	8·674	+26·823	-2	...	...	...	1·881	-50·253	-4	...	...	...	4·581	+7·516	-4	M m	...
...	8·635	+6·944	-5	M	...	...	1·861	+23·416	-5	M m	...	...	4·637	+34·134	-5	M	...
...	8·331	-7·859	-5	M m	...	...	1·848	+53·579	-5	...	...	*	4·881	-28·890	-5	M	...
461	*	-8·323	-26·348	-5	M m	...	521	-1·770	+17·983	-5	M m	...	581	+5·340	-18·980	-5	M m	...
...	8·281	-44·061	1·00	47·3782	10·0	...	1·706	+35·999	-3	...	...	...	5·505	+6·819	-4	M	...
...	8·116	-5·448	-2	m	...	...	1·699	-32·759	-2	...	...	...	5·515	-18·446	-5	M m	...
*	8·058	+26·361	3·00	46·4104	8·4	...	1·565	+43·501	-4	M	...	S *	5·605	+42·737	2·00	46·4133	8·8	
...	7·826	-22·437	-5	M m	...	*	1·497	+5·118	1·10	46·4119	9·6	...	5·712	-21·019	-3	...	...
...	-7·761	+5·406	-5	M m	...	...	1·452	-23·248	0·75	47·3788	10·4	...	+5·893	+39·884	-5	M	...
...	7·747	+11·142	-5	M m	...	...	1·396	+43·511	-5	M m	...	...	5·935	+23·367	-5	M	...
...	7·676	-8·078	-5	M m	...	*	1·383	-51·329	1·05	47·3789	9·9	...	6·035	-38·143	-5	M	...	
...	7·535	+58·499	-1	45·4264	10·1	...	1·293	+2·214	0·70	46·4120	10·2	*	6·052	-6·931	1·20	46·4134	9·5	
...	7·429	+12·394	1·00	46·4105	10·1	...	1·254	+9·186	-5	M m	...	...	6·283	+31·954	-2	46·4135	10·4
471	*	-7·239	-23·762	1·00	47·3783	9·9	531	-0·981	+3·421	1·00	46·4121	10·0	591	+6·337	+13·633	-5	M m	...
...	7·196	+23·014	0·95	46·4106	10·2	...	0·897	-16·420	0·70	...	...	...	6·411	+1·235	-5	M m	...
...	7·091	+3·238	-5	M m	...	...	0·819	+32·835	0·95	46·4122	10·2	*	6·443	+28·325	2·00	46·4136	8·6
*	7·067	+33·193	1·00	46·4107	10·1	...	0·731	-42·136	-5	M m	...	n	6·692	+26·918	-4	46·4137	10·0	
...	6·888	+18·274	0·70	46·4108	10·4	...	0·641	+53·692	-5	M	...	...	6·853	-31·669	-5	M	...
...	-6·861	+33·003	-4	M m	...	...	0·629	-27·071	-4	...	...	n	+6·855	+26·791	0·70	46·4137	10·0
...	6·725	+8·353	-2	A m	...	...	0·561	-10·238	0·65	47·3790	10·4	...	6·884	-48·237	-4	...	...
...	6·494	+48·609	-5	M m	...	*	0·395	+49·452	2·00	46·4123	9·4	...	6·947	+2·618	-4	M	...	
...	6·431	-3·668	-5	M m	...	...	0·367	-0·411	0·90	46·4124	10·1	...	7·022	+48·914	-4	...	...
...	6·404	+27·742	-5	M m	...	*	0·086	+25·142	-1	46·4125	10·2	...	7·093	+46·195	-3	...	...

568. Remeasure 1914, $y = 23' \cdot 204$.
594, 596. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
601-660																		
601	+	7·134	+	1·794	- 5	M m	...	...	+	14·288	+37·892	- 5	o	...	...	721	*
...	7·259	+11·611	-	4	M	...	...	14·492	-28·971	- 4	...	...	...	+	21·358	+33·382	3·00
...	7·448	-41·520	-	5	M	...	...	14·508	-29·278	- 5	...	...	...	21·383	+35·097	- 4	...
*	7·545	-2·509	1·25	46·4138	9·4	...	...	15·044	-31·908	- 5	...	...	...	21·607	-4·707	0·90	...
...	7·820	-9·400	-	4	M	...	...	15·065	+16·956	- 3	...	...	...	21·627	-5·928	1·40	46·4161
*	7·919	+16·554	1·10	46·4139	9·6	...	...	+15·204	-7·892	- 5	m	...	...	21·880	-45·477	- 5	...
...	8·250	+9·140	0·70	46·4140	10·2	*	...	15·228	+14·365	1·00	46·4147	9·9	...	21·917	-25·715	0·80	...	
...	8·478	-33·210	-	4	...	...	...	15·333	-16·450	- 2	47·3804	10·2	...	21·941	+5·326	- 5	m
*	8·530	-39·357	1·05	47·3798	9·8	...	...	15·389	-9·372	- 3	...	...	...	22·071	-34·107	- 5	m
...	8·593	+29·756	-	4	...	...	...	15·569	-32·750	- 4	...	...	...	22·095	+3·513	- 5	...
611	+	8·814	-18·248	- 5	M	...	...	+15·636	+10·883	- 5	...	...	...	22·101	-0·507	- 5	m
...	8·906	+1·918	-	2	...	...	*	15·797	-10·582	1·00	47·3805	10·0	...	22·219	+52·019	- 5	...
...	8·921	+28·843	-	5	...	...	...	15·903	-1·258	- 5	m	...	...	22·237	-32·883	0·95	...
*	8·996	-54·844	1·20	47·3799	9·8	...	...	16·073	+14·289	0·75	46·4148	10·1	...	22·246	-5·739	- 5	m
...	9·017	+5·259	-	5	m	...	*	16·168	-39·007	1·00	47·3806	10·0	S *	22·299	+7·604	2·50	46·4162	
...	+9·062	+11·059	-	5	m	...	...	+16·579	-15·893	- 5	m	...	...	+22·330	-30·638	- 4	...
...	9·204	-10·002	-	4	...	...	...	16·587	+4·262	- 5	m	...	...	22·482	-35·251	0·90	47·3811
...	9·263	-3·460	-	5	m	...	*	16·622	-49·113	1·10	47·3807	9·9	...	22·538	-27·824	- 5	m	
...	9·469	+26·973	-	3	...	...	...	16·676	+40·366	- 5	...	...	...	22·582	-31·341	0·70	...
...	9·515	+47·226	-	4	...	...	...	16·711	-33·250	- 2	...	...	...	22·614	+51·792	- 1	...
621	†	+9·776	-2·069	- 5	...	...	...	+16·888	+34·320	- 4	46·4149	10·4	...	+22·757	+27·064	- 2	...
...	9·904	-23·950	-	5	...	...	...	16·914	+6·503	- 4	...	...	...	22·947	+6·649	0·90	...
...	10·115	+33·944	-	2	...	...	...	16·967	+47·680	- 5	...	...	*	23·032	-19·448	1·05	47·3812
...	10·138	+23·081	0·70	46·4141	10·1	...	...	16·973	-48·742	- 5	...	...	...	23·098	+27·410	- 5	...
...	10·142	+35·799	-	4	...	...	...	17·022	-18·775	- 4	...	...	...	23·116	-37·321	- 5	m
...	+10·253	-34·086	-	5	...	...	...	+17·080	-57·759	0·70	47·3808	10·4	...	+23·179	+30·212	- 4	...
...	10·269	-11·173	-	4	m	...	...	17·376	+33·697	0·95	46·4151	9·9	...	23·619	+5·356	0·95	46·4163
*	10·346	+59·368	1·10	45·4289	9·8	...	...	17·406	+33·051	- 1	46·4150	10·4	...	23·710	+33·673	0·65	...
...	10·615	-23·938	-	5	...	...	...	17·642	+38·096	- 4	...	...	...	23·748	+20·268	- 5	m
...	10·619	+36·686	-	5	...	...	...	18·172	+37·834	- 5	...	...	...	23·832	+35·745	- 4	...
631	...	+10·706	-13·787	- 5	m	691	+18·399	+28·083	- 5	751	+23·939	+10·047	0·95	46·4164
...	10·794	+25·429	-	3	...	...	...	18·445	-29·247	- 5	...	...	*	24·030	-5·962	1·00	46·4165
...	10·820	+5·003	-	5	m	...	...	18·480	+2·309	- 4	...	...	...	24·083	+53·735	- 5	...
...	11·045	-31·673	-	5	...	...	...	18·692	+24·611	- 4	...	...	...	24·109	-16·440	- 5	m
...	11·049	-13·083	-	4	...	...	...	18·849	-32·664	- 5	...	...	...	24·287	+8·697	- 4	...
...	+11·214	-51·907	-	5	...	...	...	+18·923	-32·869	- 3	...	...	...	+24·298	-9·162	- 5	...
...	11·242	+21·837	-	5	...	...	*	18·978	+7·557	1·35	46·4153	9·4	...	24·308	+13·350	- 5	m
...	11·445	+11·347	-	4	...	...	...	19·184	+24·183	- 3	46·4155	10·4	*	24·515	-3·130	2·00	46·4166
*	11·646	-37·406	1·00	47·3800	10·1	*	...	19·295	+46·282	1·40	46·4154	9·4	...	24·562	+28·371	- 2	...	
...	11·801	-2·615	-	2	...	...	...	19·358	+51·357	- 4	46·4152	10·4	†	24·682	+10·541	- 4	...
641	...	+11·937	-12·726	- 5	m	701	+19·408	+58·982	0·70	45·4304	10·5	†	+24·705	-54·053	1·05	47·3814
...	11·969	-29·024	-	5	...	...	...	19·481	+20·724	- 5	...	...	...	24·984	-38·236	- 5	...
*	12·056	+40·549	1·00	46·4142	10·2	S *	...	19·625	-7·470	2·20	47·3809	8·2	...	25·003	-5·949	- 5	m	
...	12·085	-3·196	-	5	m	...	...	19·739	+3·814	- 5	...	...	*	25·085	-15·733	1·00	47·3813
...	12·204	+7·559	-	3	46·4143	10·4	†	19·819	-10·788	- 5	...	...	...	25·180	-13·621	- 5	m
*	+12·300	-28·851	-	4	...	...	...	+20·009	+0·778	- 5	m	...	...	+25·182	+14·812	- 4	...
*	12·449	-12·337	1·00	47·3801	10·0	...	...	20·156	-42·889	0·65	...	...	...	25·322	+44·450	- 1	...
...	12·712	-14·576	-	5	m	...	...	20·185	-27·409	- 5	m	...	...	25·356	+16·867	- 5	...
...	13·195	+44·789	-	5	m	...	...	20·243	-32·510	- 5	m	...	...	25·365	-9·490	- 5	m
...	13·262	+46·794	-	4	...	...	...	20·362	+53·441	- 5	...	...	*	25·416	-43·869	1·00	47·3817
651	...	+13·265	-32·451	- 2	47·3802	10·4	...	711	+20·368	+6·283	- 5	m	+25·417	+11·290	- 1	...
...	13·281	+38·393	-	3	46·4144	10·4	20·409	+7·572	0·90	25·463	-39·325	0·95	47·3816
...	13·533	+26·619	-	4	...	...	...	20·456	+17·864	- 3	...	...	...	25·533	-23·629	- 5	m
...	13·632	+9·078	-	5	...	...	...	20·585	+2·151	- 1	46·4157	10·8	...	25·548	+32·929	- 5	m
...	13·700	+4·963	1·00	46·4145	10·1	*	...	20·647	+3·695	1·00	46·4156	10·2	*	25·576	-27·250	1·00	47·3815	
...	+13·760	+22·687	-	5	...	...	...	+20·743	-27·043	- 5	m	...	...	+25·599	-1·098	- 2	...
...	13·807	-10·753	-	5	m	...	...	20·748	-15·050	- 4	a	...	...	25·606	+12·609	- 5	m
*	14·025	+41·754	1·05	46·4146	9·9	...	...	21·161	+24·322	0·95	46·4158	10·8	*	25·609	-36·148	1·00	47·3818
...	14·073	-13·083	-	5	m	...	...	21·163	+6·237	- 3	...	...	...	25·681	-44·410	- 5	m
...	14·247	-44·993	0·65	47·3803	10·1	*	...	21·341	+30·852	1·00	46·4159	10·4	...	25·727	+20·217	- 4	...	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
781-840																			
781	+25·803	-5·082	-5	o	m	...	841	+30·983	-16·591	-4	o	...	901	+35·495	+4·061	-3	o	...	...
...	25·867	-45·934	-3	...	...	...	...	31·017	+23·572	-5	...	...	...	35·613	+38·281	-4	...	...	...
...	25·941	-13·111	-5	m	...	...	*	31·064	+27·743	1·05	46·4170	10·2	...	35·626	+4·825	1·00	46·4178	10·2	...
*	26·054	-42·767	1·00	47·3820	10·4	...	...	31·075	+23·624	-5	...	...	...	35·656	+44·308	-5	...	...	...
*	26·214	-22·077	1·00	47·3819	10·5	...	...	31·112	-40·058	-2	...	...	...	35·726	-8·572	-4	...	...	...
...	+26·234	-15·870	-4	...	...	...	...	+31·319	+17·172	-5	...	...	...	+35·756	-17·745	-5	m	...	...
...	26·276	+47·595	-1	...	...	...	...	31·475	+43·496	-4	...	...	...	35·791	+52·993	-3	...	...	...
...	26·330	-8·700	-5	...	...	...	†	31·549	+20·032	-5	...	...	...	35·836	-48·071	-5	...	...	...
...	26·333	+32·307	-2	...	...	...	...	31·599	+49·408	-5	...	...	*	36·175	+41·126	1·40	46·4179	10·0	...
...	26·526	-17·522	0·80	...	...	...	...	31·665	+32·018	-5	m	...	...	36·209	+39·856	-4	...	...	...
791	*+26·854	-3·661	1·00	46·4167	10·6	...	851	+31·734	+50·278	-3	46·4171	10·8	*	+36·243	+11·296	2·00	46·4180	9·6	...
...	26·894	+6·893	-5	m	...	...	...	31·829	+14·080	-4	...	...	...	36·275	-25·044	-5	m	...	...
...	26·908	+29·200	-1	...	...	...	...	31·835	-40·510	-2	...	...	...	36·354	+22·396	0·90	...	...	...
...	26·949	-32·789	-5	...	...	...	...	31·894	-42·577	-5	m	...	...	36·359	+36·234	-4	...	...	...
...	27·181	+58·439	1·00	45·4315	10·4	...	...	31·978	+5·417	-4	...	...	...	36·391	-10·496	-3	...	...	...
...	+27·213	-41·900	-5	m	...	...	...	+32·153	+3·189	-5	m	...	...	+36·449	-8·977	-5	m	...	...
...	27·392	-15·944	-5	...	...	*	...	32·162	-9·415	1·00	47·3827	10·5	...	36·600	+25·580	-3	...	...	...
...	27·433	+0·960	-5	m	...	...	...	32·271	+39·429	-5	...	...	...	36·680	+55·875	-4	...	...	...
...	27·489	-18·250	-5	m	...	*	...	32·283	+32·478	1·00	46·4172	10·4	...	36·694	+57·462	-5	...	...	...
*	27·701	-38·405	1·00	47·3823	10·6	...	...	32·338	+28·073	-5	m	...	...	36·711	+40·070	-5	...	...	...
801	+27·761	+40·372	-5	...	...	*	861	+32·346	+56·666	2·00	45·4320	9·4	...	+36·728	-27·389	0·90	...	...	...
...	27·765	+18·778	-4	...	...	...	...	32·352	+20·987	1·00	46·4173	10·6	*	36·918	-28·375	1·10	47·3836	10·4	...
...	27·765	-8·339	-5	m	...	...	...	32·494	+42·892	-4	...	...	...	37·018	-24·646	-4	...	...	...
...	27·886	-10·855	0·90	...	...	*	...	32·639	+8·725	1·00	46·4174	10·4	...	37·042	-51·998	-5	...	...	...
...	28·020	+37·576	-5	...	...	...	...	32·641	+28·879	-4	...	...	...	37·070	+23·747	-5	...	...	...
...	+28·043	+49·007	-1	...	...	...	...	+32·850	-23·258	0·95	47·3828	10·8	...	+37·239	-51·251	-5	m	...	...
...	28·105	+17·748	-4	...	...	†	...	32·864	-44·682	1·15	47·3829	10·0	...	37·284	-53·099	-5	...	...	...
...	28·111	-28·040	0·80	...	...	...	...	32·988	+19·892	0·70	...	...	...	37·433	-51·452	-5	...	...	...
...	28·408	-6·882	-3	...	...	...	...	33·029	-3·075	0·85	46·4176	10·8	...	37·467	+43·573	-5	...	...	...
...	28·474	-17·195	0·70	...	...	*	...	33·066	-2·547	1·00	46·4177	10·2	...	37·524	+32·584	-5	...	...	...
811	+28·692	+46·346	-5	...	...	...	871	+33·293	-55·899	-5	...	...	...	+37·559	+47·316	-4	...	...	...
...	28·715	-7·766	-5	m	...	...	...	33·312	+38·808	-5	...	...	...	37·641	-18·041	-5	m	...	...
*	29·019	-25·398	3·00	47·3824	8·1	...	...	33·369	-33·439	-5	m	...	...	37·697	+15·789	-1	...	...	...
...	29·120	+39·302	-4	...	...	...	...	33·430	-39·313	-4	...	...	...	37·948	-25·953	-4	...	...	...
...	29·167	-19·202	-5	...	...	*	...	33·565	+41·833	2·40	46·4175	8·8	...	37·976	-11·474	0·80	...	...	...
...	+29·264	-54·981	-5	m	...	...	...	+33·650	-21·184	-3	...	...	...	+38·024	+57·195	-3	...	...	...
...	29·286	+50·829	-1	46·4168	10·8	...	...	33·684	+37·284	-2	...	...	...	38·190	-50·436	1·00	47·3838	10·5	...
...	29·381	-7·899	-3	...	...	...	...	33·707	+15·539	-5	m	...	...	38·215	+18·740	-5	...	...	...
...	29·393	+12·771	-4	...	...	...	...	33·775	-30·078	-5	m	...	*	38·315	-42·237	1·10	47·3837	10·0	...
...	29·459	-6·964	-4	...	...	...	...	33·811	+40·739	-5	...	...	*	38·498	-46·132	1·80	47·3839	9·5	...
821	+29·624	-38·549	-1	...	...	...	881	+33·833	-42·404	-5	m	...	...	+38·629	+56·952	-1	45·4329	10·8	...
...	29·636	+16·739	-5	...	...	...	...	33·906	-47·521	-5	...	...	...	38·807	-11·339	-3	...	...	...
+	29·702	+15·845	1·00	46·4169	10·4	...	...	34·001	-29·049	-4	...	...	...	38·858	+13·313	-3	...	...	...
+	29·710	-54·433	1·00	47·3825	10·4	*	...	34·038	-18·543	1·00	47·3830	10·8	...	38·892	+57·861	-5	...	...	...
...	29·886	+28·694	-3	...	...	...	...	34·252	-56·123	-1	47·3832	10·8	...	38·900	+2·503	1·00	46·4182	10·6	...
...	+30·041	-31·577	0·65	...	...	...	...	+34·272	-17·882	-4	a	...	*	+38·952	+17·967	1·05	46·4181	10·2	...
...	30·080	-4·258	-5	m	...	...	...	34·287	-20·643	-4	...	...	...	39·027	-6·622	0·65	...	...	...
...	30·130	-0·887	-4	...	...	...	...	34·293	-21·661	-5	m	...	...	39·044	+48·064	-5	...	...	...
...	30·178	-47·613	-5	...	...	*	...	34·598	-23·112	-5	...	...	...	39·283	-19·342	-5	...	...	...
...	30·185	+9·009	-5	...	...	...	...	34·629	-42·297	1·00	47·3833	10·4	...	39·311	+55·291	-5	...	...	...
831	+30·189	-8·121	-5	m	...	†	891	+34·705	-10·728	1·00	47·3831	10·0	...	+39·400	+6·529	0·70	...	...	...
...	30·225	+26·509	-4	...	...	...	...	34·888	+7·100	0·70	...	...	...	39·436	+28·316	0·80	...	...	...
...	30·320	+45·219	-5	...	...	...	...	34·981	-7·515	-5	m	...	...	39·467	-28·304	-5	m	...	...
...	30·518	+24·002	-2	...	...	...	...	35·106	+33·103	-5	...	...	...	39·571	+21·357	1·00	46·4183	10·5	...
...	30·528	-14·597	-4	...	...	...	...	35·150	+33·189	-4	...	...	...	39·580	-13·757	-5	m	...	...
...	+30·528	-22·989	-4	...	...	...	...	+35·172	-44·900	-5	...	...	...	+39·855	-0·334	-5	m	...	...
...	30·578	+43·496	-4	...	...	*	...	35·243	-28·196	2·20	47·3834	8·7	...	40·002	+43·936	-4	...	...	...
...	30·588	-19·314	-5	...	...	...	...	35·362	+27·384	-5	...	...	...	40·141	-31·986	-5	...	...	...
*	30·696	-15·508	1·00	47·3826	10·8	...	...	35·442	+41·974	-5	...	...	*	40·258	-42·108	1·35	47·3840	9·6	...
...	30·735	-8·511	-5	m	...	...	...	35·489	+13·963	-3	...	...	...	40·320	-41·726	-3	47·3841	10·8	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
961-1020																	
961	+40°342	+31°992	-4	o	...	...	+46°403	-2°556	-5	o	e	...	+51°588	-43°146	-3	47°3858	10·8
...	40°421	+31°377	-5	...	...	...	46°449	+0°903	-1	...	...	...	51°776	-38°587	-5	...	...
...	40°473	-31°489	-1	...	...	...	46°563	+34°009	-3	...	...	...	51°819	+37°078	-5	...	...
...	40°586	-5°190	0°70	46.4185	10·8	...	46°587	-25°535	0°70	...	...	...	51°919	+27°287	-5	...	...
*	40°790	+27°496	1°10	46.4184	10·2	...	46°884	-13°644	-5	...	...	...	51°961	+13°189	-5	...	...
...	+40°939	+8°970	-5	...	...	...	+46°919	+18°249	0°70	...	...	...	+52°066	+1°014	-5	e	...
...	40°987	+47°218	-4	...	...	...	46°941	+1°400	-4	...	...	...	52°081	+29°539	-4	...	...
...	40°988	+21°677	0°65	46.4186	10·8	...	47°025	+39°488	-5	e	...	...	52°092	+46°848	-5	...	...
*	41°129	-18°144	1°00	47.3842	10·5	*	47°056	+28°098	1°10	46.4198	10·2	...	52°094	-13°512	-5	...	...
†	41°169	+25°081	-3	...	...	...	47°155	+19°093	-5	...	...	...	52°184	-16°378	-1	...	...
971	+41°194	-5°011	-3	...	...	...	+47°222	+3°507	-5	...	...	...	+52°412	-20°916	0°80	47.3859	10·8
...	41°233	+46°099	-5	...	...	...	47°287	+56°960	-5	...	...	...	52°602	+9°694	0°90	46.4204	10·6
...	41°326	-34°631	-5	...	...	...	47°340	+43°829	-5	...	...	...	52°742	+33°932	-3	...	...
...	41°528	+41°085	-5	...	...	...	47°432	+1°268	-5	m	...	...	52°945	-18°819	-5	...	...
...	41°572	+35°073	-1	46.4187	10·6	...	47°545	+41°758	-5	...	...	...	53°042	+47°541	-3	46.4203	10·8
...	+41°644	+16°514	-4	...	...	...	+47°558	+11°976	-5	...	...	...	+53°050	-12°660	-5	...	...
...	41°739	+57°738	-5	...	...	...	47°571	-59°471	-5	...	...	...	53°163	+47°928	-5	...	...
*	41°760	-1°274	1°20	46.4189	9·8	...	47°621	+42°314	-5	...	...	...	53°315	-12°280	-4	...	...
*	41°788	+27°425	1°25	46.4188	9·6	...	47°671	-50°675	-4	...	...	...	53°382	+29°592	-5	...	...
...	41°801	-28°181	-5	...	...	...	47°706	-10°722	-2	47.3850	10·8	*	53°505	+33°406	2°00	46.4205	9·2
981	+42°065	-23°716	-5	...	...	*	+47°771	+31°049	2°00	46.4199	9·0	*	+53°507	-36°403	1°00	47.3860	10·2
...	42°072	-45°297	-5	...	...	...	47°831	+40°700	-5	...	...	...	53°826	+22°921	-4	...	...
...	42°091	+18°245	-4	...	...	...	47°972	-19°322	-5	...	...	...	54°113	+30°589	-3	...	...
†	42°296	-14°922	1°20	47.3843	9·5	...	48°085	+14°139	-5	...	...	...	54°118	-22°274	-5	...	...
...	42°405	-3°761	-5	m	...	...	48°110	-18°570	0°90	47.3852	10·8	...	54°174	-35°130	-5	...	...
...	+42°699	-58°141	1°10	47.3844	10·0	...	+48°113	+2°267	-5	m	...	...	+54°547	+46°420	-4	...	...
...	42°723	-43°967	-3	...	...	...	48°251	+40°149	-3	...	...	...	54°662	+23°692	-5	...	...
...	42°851	+48°817	-3	...	...	*	48°256	-27°302	1°35	47.3853	10·0	+	54°807	-58°186	3°60	47.3862	7·4
...	43°320	-18°287	-4	...	...	...	48°346	+7°418	-2	...	...	...	54°949	+42°321	-5	...	...
...	43°354	+4°681	-5	e	...	...	48°373	-26°769	-5	e	...	...	54°991	-42°895	-5	...	...
991	+43°485	+34°673	-4	...	...	...	+48°421	+13°06	-4	...	...	...	*+55°233	+7°965	1°10	46.4206	10·0
...	43°493	+14°827	-4	...	...	...	48°574	+21°692	-5	...	...	...	*55°452	-46°987	1°10	47.3864	10·2
†	43°731	-39°756	-5	...	...	...	48°629	+35°105	-5	...	...	...	*55°831	-26°113	1°60	47.3863	9·0
...	43°935	-4°330	0°70	46.4192	10·8	...	48°929	+32°930	-4	...	...	...	56°022	-22°146	-4	...	...
*	44°001	+6°190	0°95	46.4191	10·8	...	49°043	-15°647	-5	e	...	...	56°115	-7°148	-3	...	...
...	+44°223	+30°480	0°75	...	...	...	+49°127	-4°189	-4	a	...	...	+56°290	-24°415	-4	...	...
...	44°236	-19°569	0°95	47.3845	10·4	...	49°193	-6°499	-4	...	...	...	56°378	-29°062	1°30	47.3865	9·4
...	44°373	+2°604	-3	...	...	...	49°284	+36°474	-5	...	...	...	56°398	+16°633	1°15	46.4207	10·0
*	44°423	-27°896	1°05	47.3846	10·4	...	49°295	+3°758	-5	...	...	...	56°406	-4°585	-5	m	...
*	44°433	+42°713	1°60	46.4190	9·5	...	49°377	-5°608	-5	...	...	...	56°470	+10°294	-5	...	...
1001	+44°445	-3°871	-5	...	...	...	+49°409	-8°435	-5	...	...	...	+56°675	+46°019	-5	...	...
...	44°456	-28°572	-5	...	...	*	49°493	-40°733	2°30	47.3854	8·7	...	56°739	-3°536	-5	e	...
†	44°735	-23°334	-4	...	...	...	49°507	-24°200	-5	...	...	*	56°893	-31°259	1°80	47.3866	9·2
...	44°799	-16°443	-5	...	...	†	49°662	-7°286	1°00	46.4201	10·6	...	57°053	-7°853	-5	e	...
...	44°908	+0°843	1°00	46.4194	10·8	...	49°790	+45°889	-5	...	...	...	57°113	-1°195	-5	e	...
...	+44°974	+9°519	-5	...	...	*	+49°972	+18°295	1°15	46.4200	10·0	...	+57°270	-6°461	-4	e	...
...	45°108	-26°249	1°00	47.3847	10·8	*	50°359	-21°716	1°00	47.3855	10·2	...	57°409	-3°371	-5	e	...
*	45°113	+30°235	-5	...	...	...	50°365	+13°564	-5	...	...	*	57°440	+24°520	1°10	46.4208	10·2
...	45°410	-38°432	2°00	47.3849	9·0	...	50°683	+14°533	-5	...	...	...	57°654	-27°529	-5	...	...
...	45°462	-4°541	-3	...	...	...	50°719	+19°202	-5	...	...	...	57°787	+35°993	-5	...	...
1011	+45°535	+50°569	5°00	46.4193	6·8	*	+50°811	+15°876	1°10	46.4202	10·2	...	+57°846	-46°570	-5	...	...
...	45°647	+25°462	-3	...	...	...	50°880	-44°175	-5	...	...	...	57°864	-26°976	0°70	47.3867	10·5
*	45°801	-17°773	1°00	47.3848	10·4	...	51°027	+16°126	-5	...	...	...	57°942	+6°681	0°70	46.4210	10·8
...	45°839	+35°711	0°80	46.4195	10·6	...	51°036	+9°036	-5	...	...	...	58°326	-32°316	-5	...	...
...	45°840	+6°253	-3	...	...	...	51°215	-34°466	-4	...	...	...	58°342	+38°993	0°90	46.4209	10·5
*	+45°915	+18°833	1°00	46.4196	10·4	...	+51°281	-7°740	-1	...	...	*	+58°351	+12°988	1°10	46.4211	10·2
...	45°962	+16°453	1°00	46.4197	10·6	...	51°335	-17°615	-5	...	...	...	58°658	-1°343	-3	...	...
...	46°007	+36°353	-4	...	...	*	51°338	-18°281	1°35	47.3857	9·4	...	59°412	+40°570	-1	46.4212	10·6
...	46°050	+41°072	-4	...	...	...	51°369	-40°586	-5	...	...	...	59°565	-24°543	-5	...	...
...	46°356	+28°731	-4	...	...	...	51°582	-15°454	-2	...	...	...	59°689	-31°006	1°30	47.3868	9·5

1011. Remeasure 1914, $y = 50^{\circ} 580$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	
1-60						61-120						121-180						
I	-59°55'	+34°392	-5	o	...	...	-54°223	+36°373	-5	o	...	...	121	-48°437	+23°785	-4	o	...
†	59°911	-34°920	-5	...	...	...	54°219	+7°327	-2	...	...	...	...	48°201	+2°146	-5	M	...
*	59°568	-15°201	1°30	47.3843	9°5	...	53°750	-19°414	-5	...	...	...	...	48°080	+21°266	-5	M	...
...	59°512	-24°004	-5	...	...	...	53°633	-18°664	0°90	47.3852	10°8	*	47°692	-36°305	1°00	47.3860	10°2	
...	59°305	+14°562	-4	...	...	...	53°208	-27°381	1°30	47.3853	10°0	...	...	47°590	-25°537	-5	...	...
*	-59°256	+42°466	1°30	46.4190	9°5	...	-53°160	+3°684	-4	...	...	...	...	-47°523	-22°178	-5	...	...
...	59°116	+4°418	-5	E	...	...	53°121	-26°846	-5	E	...	...	...	47°502	+4°828	-5	M	...
...	59°091	+30°224	-3	...	...	...	53°045	-50°759	-4	...	...	...	...	47°431	+25°256	-5	...	...
...	58°454	+5°953	1°00	46.4191	10°8	*	52°939	+18°237	1°00	46.4200	10°0	...	...	47°426	-4°537	-5	M	...
...	58°426	-18°533	-5	...	...	...	52°926	-6°551	-4	...	...	...	...	47°360	+8°083	1°00	46.4206	10°0
II	71						131						141					
S N *	-58°387	+50°350	5°00	46.4193	6°8	...	-52°876	-59°534	-5	...	...	...	...	-47°136	+46°160	-5	...	...
...	58°270	-4°570	0°95	46.4192	10°8	...	52°780	-15°714	-5	E	...	...	...	47°058	-35°010	-5	...	...
...	58°210	-44°213	-5	...	...	...	52°666	-8°488	-5	...	...	...	...	46°996	-43°294	-5	M	...
†	58°184	+30°005	-5	...	...	*	52°421	-7°329	1°00	46.4201	10°6	...	...	46°932	-42°183	-5	M	...
...	58°163	-5°577	-5	M	...	...	52°390	+13°519	-5	...	...	...	...	46°874	-22°189	-5	...	...
...	-58°041	+2°376	-3	...	...	...	-52°237	+19°165	-4	...	...	...	...	-46°694	+4°313	-5	M	...
...	57°790	-58°376	-1	47.3844	10°0	...	52°129	+14°488	-5	...	...	...	...	46°577	-23°609	-5	...	...
...	57°761	-4°109	-5	...	...	...	52°057	-24°235	-4	...	...	*	46°473	+16°777	1°10	46.4207	10°0	
...	57°647	+9°306	-5	...	*	...	52°035	+15°852	1°00	46.4202	10°2	...	...	46°208	+10°447	-4	...	...
...	57°621	+35°509	-1	46.4195	10°6	...	51°832	+16°103	-5	...	...	...	...	46°065	-16°457	-5	...	...
21	81						141						151					
...	-57°596	+40°868	-5	...	...	...	-51°747	+46°827	-5	...	...	...	...	-46°005	-6°992	-2	...	...
...	57°492	+36°162	-4	...	...	...	51°678	+37°075	-5	...	...	...	...	45°983	-42°747	-5	...	...
...	57°486	+25°253	-4	...	...	...	51°586	+8°917	-5	M	...	...	...	45°930	-31°513	-5	...	...
†	57°454	-19°782	1°00	47.3845	10°4	S *	51°550	-40°751	2°30	47.3854	8°7	...	...	45°795	-2°607	-5	M	...
...	57°420	+0°638	1°00	46.4194	10°8	...	51°425	+59°191	-5	...	...	...	...	45°710	+36°168	-5	...	...
...	-57°316	-39°975	-5	...	...	...	51°310	-51°633	-4	...	...	*	...	-45°687	+24°697	1°10	46.4208	10°2
*	57°017	+18°646	1°00	46.4196	10°4	*	51°286	-21°735	1°00	47.3855	10°2	*	...	45°679	-25°962	2°00	47.3863	9°0
*	57°009	-28°102	1°00	47.3846	10°4	...	51°279	+27°271	-4	...	...	*	...	45°664	-58°032	4°00	47.3862	7°4
...	56°993	-16°647	-5	...	...	...	51°186	+29°530	-4	...	...	...	...	45°609	-21°995	-4	...	...
...	56°950	-28°766	-5	...	...	...	51°110	+53°978	-5	...	...	...	...	45°487	-3°368	-5	E	...
31	91						151						161					
...	-56°897	+28°534	-4	...	...	...	-50°802	+47°566	-1	46.4203	10°8	*	...	-45°378	-46°831	1°25	47.3864	10°2
...	56°896	+16°264	1°00	46.4197	10°6	...	50°796	-7°747	-2	...	...	...	...	45°270	-24°247	-4	...	...
...	56°854	+33°820	-4	...	...	...	50°793	+13°194	-5	...	...	*	...	45°231	+38°271	1°00	46.4209	10°5
...	56°853	-23°523	-4	...	...	...	50°694	+47°954	-5	...	...	...	...	45°192	-1°015	-5	E	...
...	56°844	+56°785	-5	...	...	...	50°672	+33°941	-3	...	...	...	...	45°124	-16°107	-5	M	...
...	-56°730	-4°737	-4	...	...	...	-50°449	-17°599	-4	...	...	*	...	-45°041	-28°884	1°60	47.3865	9°4
...	56°692	+6°069	-4	M	...	*	50°412	-18°288	1°40	47.3857	9°4	†	...	45°030	-7°672	-5	E	...
...	56°547	+39°312	-5	E	...	...	50°306	+1°032	-5	E	...	...	...	44°873	-6°273	-5	E	...
...	56°378	-26°431	0°65	47.3847	10°8	...	50°256	-15°438	-2	...	...	...	...	44°869	-27°396	-5	M	...
*	56°166	+27°935	1°05	46.4198	10°2	†	50°059	-40°162	-5	M	...	...	...	44°838	-3°185	-5	E	...
41	101						161						171					
...	-56°061	+42°160	-5	...	...	†	-50°045	+9°727	-1	46.4204	10°6	...	...	-44°755	+17°044	-5	...	...
...	55°995	+18°091	-2	...	...	†	50°022	-34°443	-5	...	...	...	...	44°692	+21°332	-5	...	...
*	55°961	-17°939	1°00	47.3848	10°4	...	49°905	+29°622	-5	...	...	...	...	44°611	+6°887	0°65	46.4210	10°8
...	55°925	-57°528	-5	...	...	†	49°900	+33°455	1°60	46.4205	9°2	*	...	44°456	-31°072	1°20	47.3866	9°2
...	55°904	+0°744	-2	...	...	...	49°818	-13°477	-5	...	...	*	...	44°397	+13°199	1°05	46.4211	10°2
...	-55°848	-2°711	-5	E	...	...	-49°644	-16°336	-3	...	...	...	...	-44°239	+40°800	-1	46.4212	10°6
*	55°711	-38°604	1°80	47.3849	9°0	...	49°560	+27°815	-5	...	...	...	...	43°817	-27°312	-5	...	...
*	55°558	+30°909	1°60	46.4199	9°0	...	49°389	-43°114	-1	47.3858	10°8	...	...	43°655	-1°116	-3	...	...
...	55°432	+1°244	-4	...	...	...	49°348	+2°038	-5	M	...	...	...	43°621	-26°754	0°90	47.3867	10°5
†	55°374	+40°021	-5	...	...	...	49°328	-38°530	-5	...	...	...	...	43°292	+43°037	-5	...	...
51	111						171						181					
...	-55°221	+3°369	-5	...	...	...	-49°268	+46°484	-4	...	...	...	...	-43°274	+14°399	-5	...	...
...	55°162	+11°831	-5	...	...	...	49°264	-20°862	0°95	47.3859	10°8	...	...	43°110	-20°225	-5	...	...
†	55°002	-13°765	-5	...	...	...	49°256	+22°974	-4	...	...	...	...	43°021	+20°946	-4	M	...
†	54°938	-25°671	-2	...	...	...	49°208	+30°657	-3	...	...	...	...	43°019	-56°307	-4	M	...
†	54°821	+34°975	-5	...	...	...	48°890	-12°599	-4	...	...	...	...	42°990	-32°081	-5	...	...
...	-54°696	+14°014	-5	...	...	...	-48°805	-18°754	-5	...	...	...	...	-42°907	+46°912	-4	...	...
...	54°455	+32°828	-5	...	...	...	48°752	+42°409	-4	...	...	*	...	42°824	+31°557	1°00	46.4213	10°4
...	54°446	+21°580	-5	...	...	...	48°643	+43°904	-5	...	...	...	...	42°745	-8°			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-r.	No.	Mag.		x.	y.	-r.	No.	Mag.		x.	y.	-r.	No.	Mag.	
181-240																		
181	-42°468	+48°887	-4	o	-37°646	-16°633	-5	o	...	301	-32°570	+0°193	-5	M	...	
...	42°314	+25°863	-5	*	37°621	-5°969	1°05	46.4227	10°4	...	32°456	-41°831	-4	
...	42°284	+21°240	0°80	46.4214	10°8	...	37°611	-48°898	-5	...	...	32°432	-55°057	0°70	47.3886	10°4
...	42°011	-24°270	-4	37°544	+45°919	-1	46.4230	10°4	...	31°950	+0°112	-5	M	...	
...	41°919	-9°734	-5	M	...	...	37°514	-30°316	-5	...	...	31°898	-41°050	0°70	47.3887	10°5
...	41°822	-16°667	-5	...	...	...	-37°483	+8°712	-1	...	...	-31°789	+7°621	-5	...	...
...	41°729	-23°118	-5	...	...	...	37°448	+17°464	-5	M	...	31°754	-26°582	-2	47.3888	10°8
...	41°723	+34°456	-5	...	...	S *	37°439	-25°104	-4	...	...	31°529	-49°082	-5	...	...
*	41°665	-30°721	1°30	47.3868	9°5	...	37°357	-18°422	2°30	47.3877	8°0	...	31°494	+19°182	-2	46.4240	10°8	
*	41°591	-15°320	1°20	47.3869	9°2	...	37°272	-20°094	-5	M	...	31°492	-30°917	-2	...	...
191	-41°534	+30°263	-5	...	...	251	-37°161	-25°578	-3	...	...	31°361	-51°579	-5	...	...
...	41°519	-9°358	-5	...	...	...	37°017	+12°160	-4	M	...	31°340	+12°340	-5	M	...
...	41°516	-37°328	-5	...	...	...	36°902	-19°632	-5	...	...	31°290	-10°434	-5	M	...
...	41°491	+0°011	-5	M	...	*	36°831	+11°851	1°00	46.4231	10°4	...	31°259	+38°119	-5	
...	41°476	-13°218	-5	M	...	...	36°784	+16°144	-3	...	...	31°229	-12°606	0°90	47.3889	10°6
...	41°436	-23°708	-5	...	...	...	-36°724	+4°091	-5	M	...	-31°148	-25°001	0°65	47.3890	10°8
†	41°435	+5°031	-5	M	...	...	36°713	-7°482	-5	M	...	31°075	+23°661	-5	...	...
†	41°433	+20°065	-5	*	36°702	+30°746	1°00	46.4232	10°2	*	31°054	-20°645	1°00	47.3891	10°4	
†	41°220	-14°839	-5	*	36°452	-17°652	1°20	47.3878	9°8	...	30°786	-42°931	-5	
S *	41°094	+32°672	2°30	46.4215	8°1	...	36°448	-35°074	-3	...	...	30°770	-24°116	-4	...	...
201	-41°065	+28°005	-4	261	-36°353	+49°889	1°10	46.4234	9°9	...	30°735	-8°408	-2	
...	41°033	+1°950	-5	...	...	...	36°343	-10°817	-5	M	...	30°691	+3°977	-5	M	...
...	40°737	-29°914	0°70	47.3870	10°4	...	36°294	-11°634	-5	M	...	* 30°675	-30°061	1°00	47.3892	10°4		
...	40°604	-21°181	-4	...	...	...	36°203	+23°309	-3	...	...	30°662	-7°067	-5	M	...
*	40°428	+32°939	0°95	46.4216	10°4	...	36°147	+0°247	-3	...	...	30°601	-12°988	-5	M	...
...	40°406	-8°073	-5	*	-36°067	-2°028	1°00	46.4233	10°4	...	-30°527	-10°650	-4	
...	40°403	+13°994	-5	...	...	...	35°983	-39°236	-5	M	...	30°368	-19°031	0°70	47.3893	10°8
...	40°306	-28°198	-3	*	35°961	+47°789	1°35	46.4235	9°5	†	30°055	+3°794	-3	
*	40°286	+32°300	0°95	46.4217	10°4	...	35°876	-12°649	-5	M	...	30°032	-52°622	1°10	47.3894	9°6		
...	40°224	+41°340	-3	46.4218	10°6	*	35°861	-27°104	1°05	47.3879	10°0	...	29°900	-38°461	-4	
211	-40°120	+48°054	-3	46.4219	10°5	...	271	-35°813	-29°152	0°95	47.3880	10°5	...	-29°802	+46°389	-5
*	39°940	-10°256	1°15	47.3871	9°6	...	35°555	+26°039	-5	...	...	29°659	+34°730	-5	...	...
...	39°825	+48°199	-3	46.4220	10°6	...	35°482	-13°319	-4	...	...	29°652	-21°974	-5	M	...
...	39°803	+15°596	-2	...	...	...	35°395	-45°244	-5	...	...	29°559	+29°397	0°70	...	...
...	39°711	-0°757	-1	...	...	...	35°320	+21°786	-5	...	...	29°466	+37°585	-5	...	...
...	-39°404	-19°249	-1	47.3872	10°8	*	-35°319	-22°055	1°00	47.3882	10°4	...	-29°312	-0°965	-3	M	...	
...	39°372	+4°269	-4	M	...	...	35°224	-35°089	-5	...	...	29°275	-19°462	-4	M	...
*	39°352	+41°119	1°00	46.4221	10°2	...	35°195	+3°127	-5	...	...	29°205	-23°453	-4	...	...
...	39°261	-14°227	0°70	47.3873	10°8	†	35°113	+24°000	0°70	46.4236	10°4	...	29°188	+8°788	-1	
...	39°143	-25°879	0°70	‡	34°978	-47°184	1°20	47.3881	9°8	...	29°172	-13°443	-2	
221	-39°135	+7°674	1°00	46.4222	10°2	...	281	-34°811	+15°680	0°70	46.4237	10°8	...	-29°115	-58°024	-3
...	39°117	+9°857	0°70	46.4223	10°8	...	34°720	-23°956	-5	...	...	29°112	-31°734	-5	M	...
...	39°104	+0°739	-5	M	34°495	+19°167	-5	*	29°015	-35°012	1°00	47.3895	10°2	
*	38°972	+4°596	1°00	46.4224	10°2	...	34°401	+28°691	-5	...	...	28°975	+48°913	-3	...	...
...	38°737	-17°897	-5	*	34°318	+27°118	1°00	46.4238	10°0	...	28°840	-44°051	-5	M	...	
...	-38°615	+10°450	-4	...	...	...	-34°288	+14°570	-4	...	...	-28°835	-59°089	-5	...	...
*	38°605	-31°907	2°00	47.3874	8°8	...	34°246	+50°855	-5	...	...	28°795	+13°065	-5	M	...
...	38°322	-23°280	-5	...	...	...	34°205	-6°318	-5	M	...	28°775	+21°427	0°70	...	...
...	38°284	+2°344	0°70	...	...	...	34°160	-53°787	-5	...	...	28°675	+58°827	-4	...	...
*	38°273	+16°814	1°00	46.4226	10°6	...	33°751	+31°887	-5	...	...	28°536	-0°457	-3	M	...
231	-38°145	-6°854	0°70	46.4225	10°8	...	291	-33°586	-25°917	-5	-28°532	+48°279	-4	
...	38°042	+19°035	-5	33°347	-10°680	-3	S *	28°423	+7°000	4°90	46.4241	6·8	
...	38°041	+57°839	0°70	45.4367	10°2	†	33°049	+20°021	-5	...	...	28°332	-13°839	0°70	...	...
...	37°949	+22°848	-4	...	...	...	32°950	-32°680	-5	...	...	28°302	+51°659	-5	...	...
...	37°885	-38°952	-5	32°927	-15°905	-1	47.3884	10°8	...	28°238	-19°263	0°95	
*	-37°825	+29°137	1°00	46.4229	10°2	...	-32°761	+14°539	-1	...	...	-28°210	-3°335	-5	M	...
...	37°773	-27°514	0°75	47.3875	10°5	...	32°706	+44°156	0°80	46.4239	10°5	...	28°118	-57°435	-3	47.3896	10°8	
...	37°746	-45°813	-5	...	...	...	32°698	-47°423	-5	...	...	27°600	-7°648	-5	M	...
...	37°737	+15°677	0°65	*	32°658	-32°047	1°30	47.3885	9°2	...	27°567	+42°766	-5	
*	37°718	+4°985	1°20	46.4228	9°4	...	32°571	-16°596	-5	M	...	27°522	-23°570	-5	M	...		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.	Mag.		
361-420																			
361	-27·467	+7·120	-2	o	...	...	421	-24·227	-44·527	-1	47·3902	10·8	481	-20·200	-6·016	-2	o	...	...
*	27·361	-58·419	1·40	47·3897	9·9	...	24·186	-0·545	-2	...	...	...	†	20·079	+50·917	-4	...	...	...
...	27·331	+41·658	-5	M	...	...	24·179	-26·826	-5	M	...	...	...	19·972	-3·323	-3	...	...	...
...	27·319	-29·376	0·65	...	...	*	24·170	-20·179	1·00	47·3903	9·8	*	19·904	-4·655	1·10	46·4252	10·0	...	
...	27·292	+52·823	-3	...	...	...	24·119	-24·025	-5	M	...	...	...	19·783	-59·061	-3	47·3910	10·8	...
...	27·280	+19·234	-5	M	...	...	24·075	-11·907	-5	M	...	...	...	-19·714	-5·069	-4	...	...	...
*	27·215	+37·901	1·00	46·4242	10·4	...	23·958	-30·307	-1	...	...	...	...	19·708	+43·305	-5	...	...	...
...	27·210	-13·753	-4	...	...	...	23·941	-53·475	-4	...	...	...	...	19·645	+26·782	-5	...	...	...
...	27·196	+19·738	-4	...	...	...	23·937	-35·089	0·70	47·3904	10·8	...	...	19·639	-43·165	-4	...	...	...
...	27·032	+41·401	-5	...	...	...	23·865	+43·072	-5	...	...	...	...	19·498	-7·875	-4	M	...	...
421-480																			
371	-27·001	+40·559	1·00	46·4243	10·5	...	23·815	+16·095	-4	...	...	...	491	-19·442	+35·976	-5	...	...	...
...	26·988	+39·585	-3	...	...	...	23·793	+7·770	-5	M	...	*	19·341	-12·681	1·00	47·3911	10·2	...	
...	26·961	-22·749	-5	M	...	...	23·696	-11·402	-4	M	...	*	19·145	-13·141	1·15	47·3912	9·9	...	
...	26·947	+17·356	-5	M	...	...	23·614	+27·034	-5	...	...	...	18·956	-13·417	0·75	...	...	...
...	26·936	+17·536	-5	M	...	...	23·613	+34·500	-4	...	...	...	...	18·858	-37·221	-5	M	...	...
...	26·809	+56·829	-5	...	...	...	23·352	+43·166	-5	...	...	...	...	-18·849	-25·191	-5	...	...	...
*	26·741	+46·050	1·50	46·4244	9·5	...	23·350	-31·954	-4	...	...	...	...	18·813	-41·257	-4	...	...	...
...	26·732	-16·348	0·70	...	...	...	23·262	+58·146	-1	45·4384	10·8	...	...	18·781	-31·464	0·65	...	...	...
...	26·635	+29·458	-5	...	...	...	23·112	+15·424	-5	...	...	...	...	18·597	-41·003	-4	...	...	...
...	26·624	+58·294	-4	...	...	...	23·052	-27·190	-4	...	...	...	...	18·508	-15·418	0·70	...	...	...
481-540																			
381	-26·613	+15·593	0·90	...	...	...	23·044	-12·440	-5	M	...	...	501	-18·497	+42·822	-4	...	...	...
...	26·582	+30·137	0·90	46·4245	10·8	...	23·006	+51·451	-5	...	...	*	18·432	-37·127	1·00	47·3913	10·5	...	
...	26·548	+14·579	-5	M	...	...	22·948	-49·373	-5	M	...	...	...	18·309	+50·773	-5	...	...	...
...	26·524	-17·384	0·95	47·3899	10·8	...	22·848	+22·010	0·95	46·4249	10·4	*	18·283	+3·069	1·40	46·4253	9·8	...	
...	26·469	-53·327	0·80	47·3898	10·8	...	22·755	+35·115	-4	...	...	...	...	18·168	-36·358	-4	...	...	...
...	26·416	-10·162	-4	...	...	...	22·741	+53·463	-5	...	...	...	...	-18·071	+15·696	-3	...	...	...
...	26·394	-28·057	-4	...	...	...	22·624	-27·634	-5	M	...	...	...	17·996	-24·509	0·90	47·3914	10·8	...
...	26·358	+43·056	-4	...	*	...	22·543	+23·211	1·00	46·4250	10·2	†	17·946	-34·798	-5	...	...	...
†	26·276	+10·119	-5	M	...	...	22·465	-14·542	-4	...	...	...	...	17·944	-28·605	-5	...	...	...
*	26·224	+17·701	1·05	46·4246	10·0	*	22·391	-43·241	1·00	47·3905	10·4	...	...	17·689	+50·992	-5	...	...	...
451-511																			
391	-26·145	+27·701	-5	M	...	...	22·265	-9·283	-4	M	...	...	511	-17·660	-29·474	-5	...	...	...
*	26·110	-17·835	0·95	47·3901	10·8	...	22·229	-24·076	0·90	47·3907	10·6	*	17·568	+42·872	1·00	46·4254	10·6	...	
...	26·103	+28·528	-4	...	*	...	22·210	-52·857	1·80	47·3906	9·6	...	17·476	-36·846	-5	...	...	...
...	25·952	-8·366	-4	M	...	...	22·151	+21·117	-2	...	...	...	...	17·264	+12·946	-5	M	...	...
...	25·941	-21·426	-5	M	...	...	22·112	+26·310	-5	...	...	...	...	17·134	-46·937	1·30	47·3915	9·9	...
...	25·860	-14·537	-5	M	...	...	22·004	+55·472	-5	M	...	*	17·059	-28·138	1·00	47·3916	10·0	...	
...	25·840	+58·785	-5	...	...	...	21·981	-6·361	0·65	...	...	...	...	17·014	+37·153	-4	...	...	...
...	25·819	+12·819	-4	...	...	...	21·977	-25·980	-5	...	...	...	...	16·875	+18·931	0·75	...	...	...
...	25·789	-21·981	-4	M	...	...	21·969	+55·737	-4	...	...	*	16·870	-27·531	1·00	47·3917	10·0	...	
...	25·599	+8·273	-2	...	...	...	21·725	-49·676	-1	...	...	...	...	16·856	-37·754	-4	...	...	...
461-521																			
401	-25·480	-13·104	-3	...	...	n*	-21·646	-6·057	1·50	46·4251	9·2	...	521	-16·851	-10·760	-3	...	...	...
...	25·441	+22·779	-5	M	...	...	21·633	+23·354	-2	...	...	...	...	16·610	+15·698	-4	...	...	...
...	25·300	+51·180	-5	...	...	...	21·571	-18·415	-3	...	...	...	...	16·450	+37·402	5	...	...	...
†	25·125	+12·423	-4	...	...	n	21·538	-6·037	0·90	46·4251	9·2	*	16·376	+46·693	1·00	46·4255	10·0	...	
†	25·074	+52·119	-5	...	...	...	21·457	+4·775	-5	M	...	...	...	16·174	-12·841	0·70	...	...	...
†	25·058	+57·192	-5	...	...	...	21·419	-45·764	-5	...	...	...	...	-16·085	-33·912	-4	...	...	...
†	25·014	-8·884	-5	M	...	...	21·187	-46·948	-3	...	...	...	...	16·085	+12·788	0·95	46·4256	10·6	...
...	25·012	+13·439	-5	M	...	*	21·173	-1·799	-5	M	...	...	...	15·980	-18·690	-5	M	...	...
...	24·920	-12·269	-5	M	...	...	21·127	-8·660	1·00	47·3908	10·0	...	...	15·772	-17·335	0·90	47·3919	10·8	...
...	24·758	-27·456	-5	M	...	...	21·115	-13·646	0·95	47·3909	10·6	...	...	15·756	+58·639	-5	...	...	...
471-531																			
411	-24·626	+39·172	1·00	46·4247	10·4	...	-21·102	-2·889	-5	M	...	...	531	-15·741	-12·114	-4	...	...	...
...	24·488	+47·542	-3	...	...	...	21·040	+50·748	-2	...	...	...	...	15·690	-18·321	-5	...	...	...
...	24·462	+45·472	-4	...	...	...	20·986	+34·614	-5	...	...	...	...	15·688	+0·632	-5	M	...	...
...	24·455	+24·839	-4	...	...	...	20·928	+57·137	-5	...	...	...	...	15·631	-11·512	0·65	...	...	...
...	24·436	-7·556	-5	M	...	...	20·894	+32·516	-5	...	...	...	...	15·480	-21·954	-5	M	...	...
...	24·414	+42·791	0·80	...	...	...	-20·612	+57·319	-1	45·4386	10·8	...	...	-15·372	-51·738	-5	...	...	...
...	24·399	-11·042	-4	...	...	...	20·522	-27·661	-5	...	...	...	...	15·369	-0·777	-5	M	...	...
...	24·356	-22·826	-5	M	...	...	20·500	-18·190</td											

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	
541-600																		
541	-14°628	+28°304	0·65	46.4257	10·8	...	-9°670	-1°841	-1	46.4268	10·8	...	-5°499	+26°059	-3	...	...	...
...	14°597	+4°866	-5	M	...	...	9°635	+55°795	-5	...	...	*	5°427	+7°062	1·30	46.4285	9·6	...
...	14°395	+43°855	-1	46.4258	10·8	*	9°577	+44°756	1·20	46.4269	9·6	...	5°223	-33°289	-5	M m	...	...
...	14°332	+54°644	-1	45.4399	10·6	...	9°497	+27°866	-5	...	...	...	5°083	-28°396	-5	m	...	...
...	14°330	-30°808	-5	...	...	...	9°433	+17°677	-4	...	...	...	5°063	+22°006	0·75	46.4286	10·4	...
...	-14°175	+39°038	-4	...	...	...	-9°418	-23°561	-4	...	...	...	-4°907	+12°778	-3	...	...	...
...	13°997	+43°591	-5	...	...	*	9°293	+4°536	1·00	46.4270	10·4	...	4°887	-10°928	-5	M m	...	...
†	13°978	+0°124	-5	M	...	...	9°176	+10°508	-5	...	...	...	4°664	+31°987	-5	m	...	...
...	13°955	-47°392	-5	...	...	...	9°168	+44°860	-5	...	...	...	4°420	+58°925	-5	...	...	...
...	13°902	-27°882	-1	...	...	...	9°039	-3°799	-5	M m	...	...	4°407	+57°195	-5	...	...	...
601-660																		
601	...	...	...	...	...	...	-8°869	-48°148	-4	...	...	...	-4°232	-8°258	-5	M m	...	...
...	-13°880	-40°219	-5	...	...	...	8°692	+28°052	-4	...	...	...	4°063	+0°010	-5	M m	...	...
...	13°784	-19°512	-5	M	...	...	8°638	+14°877	-1	46.4271	10·8	...	4°055	-55°762	-5	...	...	...
...	13°754	+0°523	-4	...	...	*	8°614	-24°647	1·10	47.3929	9·6	...	3°980	+26°100	-4	...	...	...
...	13°545	+4°967	-5	M	...	...	8°527	+1°048	-5	M m	...	...	3°967	-21°708	-3	...	...	...
...	13°531	-54°656	-5	...	...	...	-8°432	-35°623	-5	...	...	S *	-3°763	+26°349	2·00	46.4287	8·3	...
*	13°505	-46°341	4·00	47.3921	6·9	*	8°212	+14°568	1·30	46.4272	9·5	...	3°727	-13°131	-5	M m	...	...
...	13°462	-29°079	-3	...	...	...	8°201	-48°724	-5	...	...	...	3°683	+56°281	-5	m	...	...
*	13°439	+32°948	1·10	46.4259	10·2	...	8°159	-15°973	-5	M m	...	...	3°657	+51°951	-5	m	...	...
...	13°306	-20°079	-5	M	...	...	8°038	-57°913	0·70	47.3930	10·4	...	3°657	-43°804	-5	...	...	...
661-720																		
661	...	...	...	...	...	...	-8°012	+12°257	-4	m	...	*	-3°372	+10°835	2·50	46.4289	8·3	...
...	-13°299	-11°887	-5	...	...	...	7°926	-23°728	-5	...	...	...	3°291	+46°524	0·80	46.4288	10·8	...
...	12°975	-8°399	-3	...	...	...	7°833	+49°060	-4	...	...	...	3°196	+4°371	-1	46.4290	10·5	...
...	12°847	-35°433	-2	...	...	...	7°819	-13°476	-5	M	...	...	3°038	+58°945	-5	...	...	...
...	12°815	-27°063	0·65	47.3922	10·6	...	7°726	+1°680	1·00	46.4273	10·2	...	3°017	-53°988	-5	...	...	...
...	12°635	-7°952	-5	...	...	*	7°531	+48°512	-5	...	...	...	2°944	-20°083	-4	...	...	...
...	-12°586	-25°154	-4	...	...	...	7°434	-51°756	-5	...	...	...	2°935	-34°989	-3	...	...	...
...	12°583	+24°760	-5	...	...	...	7°393	+13°684	-5	M m	...	...	2°933	-11°421	-5	M m	...	...
...	12°554	+22°734	-5	...	...	...	7°322	+35°885	-2	46.4274	10·8	...	2°900	+0°575	-5	M m	...	...
*	12°451	+57°874	0·65	45.4403	10·5	...	7°311	+57°556	-3	...	...	...	2°815	+3°968	0·70	46.4291	10·6	...
671-730																		
671	...	...	...	...	...	...	7°277	+0°425	1·00	46.4276	10·2	...	-2°808	+31°452	-5	m	...	...
...	-12°280	-25°562	-4	...	...	M f*	7°208	+47°743	-3	46.4275	10·8	...	2°769	-10°280	-4	...	...	...
...	12°261	-1°042	-5	M	...	...	7°198	-37°532	-2	...	...	...	2°766	+39°373	-5	m	...	...
...	12°117	+47°049	-5	...	...	...	7°176	+33°006	-4	m	...	...	2°720	+15°156	-5	M m	...	...
...	11°992	-37°662	-4	...	...	...	7°175	-0°272	-5	M m	...	...	2°638	-50°045	-5	...	...	...
...	11°951	+47°054	-3	46.4261	10·8	...	7°070	+37°490	1·00	46.4277	10·2	...	-2°602	+19°946	0·80	46.4292	10·6	...
...	-11°944	+37°941	-2	...	...	*	7°061	-3°794	1·20	46.4278	9·6	...	2°586	+6°553	-5	M m	...	...
...	11°672	-51°001	-5	...	...	*	7°011	+12°433	-5	M m	...	*	2°525	-2°246	1·00	46.4293	10·4	...
...	11°631	+22°770	-3	46.4262	10·8	...	6°966	-25°627	-5	M m	...	...	2°474	-24°466	-2	...	...	...
...	11°594	+23°132	-5	...	...	...	6°914	-8°332	-5	M m	...	...	2°430	-16°825	-4	...	...	...
681-740																		
681	...	...	...	...	...	...	6°895	+12°896	1·00	46.4279	10·2	...	-2°386	-0°063	-5	M m	...	...
...	-11°346	+0°222	-5	M	...	*	6°892	+57°849	0·70	45.4410	10·5	...	2°372	-12°842	-4	...	...	...
...	11°318	+16°926	-4	...	...	...	6°867	+35°072	1·05	46.4280	10·0	...	2°364	-24°037	-5	M m	...	...
...	11°291	-36°186	0·65	47.3925	10·8	*	6°802	+41°286	1·00	46.4281	10·2	...	2°238	-39°890	-5	...	...	...
...	11°195	+4°348	-4	...	...	*	6°750	-55°735	-5	...	...	...	2°138	-0°707	-5	M m	...	...
...	10°895	+23°319	0·70	46.4264	10·4	...	6°654	-1°566	1·00	46.4282	10·0	...	-2°000	-9°818	-5	...	...	...
*	-10°718	+17°640	1·00	46.4265	10·4	*	6°274	-17°886	-5	M m	...	...	1°816	-47°148	-5	...	...	...
...	10°661	-38°077	-2	...	...	...	6°270	+32°522	-5	m	...	...	1°774	+18°458	-5	m	...	...
...	10°631	-11°681	-5	M	...	...	6°206	-48°724	-5	m	...	...	1°514	+35°903	-5	m	...	...
...	10°568	-34°917	-5	M	...	...	6°121	-25°490	-5	M m	...	...	1°511	-44°147	-5	...	...	...
691-750																		
691	...	...	...	...	...	...	6°092	+3°130	-5	M m	...	...	-1°509	-33°280	-5	...	...	...
...	10°318	-6°255	0·90	46.4266	10·4	*	6°071	+31°256	1·00	46.4283	10·4	...	1°488	-38°435	-4	M m	...	...
†	10°159	-40°436	1·35	47.3926	9·2	...	6°070	+54°575	-5	m	...	...	1°420	+14°076	-5	M m	...	...
†	10°072	+54°536	-4	...	...	...	6°060	+8°084	-5	M m	...	*	1°254	+13°514	1·00	46.4294	10·2	...
...	10°037	-5°286	-5	M	...	...	6°044	-39°212	-5	M m	...	...	1°140	+44°006	-3	...	...	...
...	-9°944	+28°882	-5	...	...	...	6°021	+53°844	-5	m	...	...	-1°042	+31°539	-5	M m	...	...
...	9°904	+15°693	0·65	46.4267	10·8	...	5°827	+35°573	-3	...	...	...	0°935	-30°548	-4	...	...	...
...	9°765	-8°944	-5	M m	...	...	5°699	+9°157	-5	M m	...	...	0°709	-3°967	-5	M m	...	...
...	9°715	-10°321	-4	...	...	...	5°691	-35°202	0·70	47.3932	10·8	...	0°694	-45°079	-5	...	...	...
*	9°711	-8°837	1·00	47.3928	9·8	*	5°667	+22°548	1·00	46.4284	10·0	...	0°664	-48°730	0·95	47.3933	10·4	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-t.	No.	Mag.		x.	y.	-t.	No.	Mag.		x.	y.	-t.	No.	Mag.		
721-780																			
721	- 0.658	+ 55.103	- 4	o	...	...	781	+ 3.629	+ 16.971	- 5	M m	...	841	+ 7.070	- 7.213	- 2	M	...
...	0.383	+ 24.370	- 4	...	...	...	...	3.653	+ 42.291	- 5	M m	...	...	7.102	+ 4.346	- 5	M m	...
+	- 0.157	+ 4.684	1.00	46.4295	10.4	...	...	3.692	+ 17.209	- 5	M m	...	...	7.130	- 38.245	- 3	...	...
*	+ 0.015	- 59.318	1.20	47.3934	9.6	...	...	3.714	+ 40.568	- 5	M m	...	...	7.159	+ 53.564	1.40	45.4425	9.6
...	0.125	+ 7.214	- 5	M m	...	...	...	3.783	+ 48.127	- 2	...	...	...	7.194	- 59.283	- 5	...	...
...	+ 0.163	- 5.089	0.70	m	...	...	...	3.910	+ 6.221	- 5	M m	...	...	7.233	- 16.839	- 5	M m	...
...	0.333	+ 9.746	- 4	M m	...	*	...	4.111	- 52.384	1.30	47.3942	9.5	...	7.282	- 43.023	- 5	M	...	
...	0.344	+ 26.544	- 4	m	...	...	...	4.140	- 8.787	- 5	Mm	...	†	7.471	- 49.840	- 4	...	...
...	0.416	+ 43.189	- 5	M m	...	...	...	4.172	+ 8.415	1.00	46.4304	10.6	...	7.497	+ 8.703	- 5	M m	...
...	0.416	- 13.759	- 4	M m	...	...	...	4.182	+ 7.423	- 4	M m	...	*	7.537	- 18.319	1.00	47.3947	10.0
731	+ 0.450	- 6.599	0.70	...	...	791	+ 4.244	+ 25.139	- 2	...	...	...	851	+ 7.620	- 7.282	- 5	M	...
...	0.703	+ 7.277	- 4	M m	...	...	...	4.308	- 34.032	0.65	...	...	...	7.621	- 22.786	- 5	M	...
...	0.740	- 5.214	0.70	...	...	*	...	4.349	+ 29.678	1.00	46.4305	10.0	...	7.787	+ 6.892	- 2	...	...
...	0.746	+ 24.103	0.90	46.4297	10.2	...	...	4.358	- 42.322	- 2	...	...	...	7.904	- 35.775	0.80	...	...
...	0.763	+ 43.593	0.65	46.4298	10.8	...	...	4.380	- 10.544	- 4	M	...	...	7.918	- 43.239	- 5	M m	...
...	+ 0.770	+ 21.571	0.90	46.4296	10.5	...	...	4.386	+ 40.620	0.95	46.4306	10.8	*	+ 8.008	+ 28.755	1.00	46.4311	10.0
...	0.823	- 27.329	- 2	...	...	...	...	4.437	- 41.972	- 4	...	...	...	8.011	- 23.290	- 5	M m	...
...	0.878	+ 23.972	0.70	...	...	...	...	4.479	+ 0.794	- 5	M m	...	...	8.108	- 32.022	- 5	M	...
...	0.914	+ 20.491	- 5	M m	...	...	...	4.594	- 26.786	0.90	...	...	...	8.120	+ 8.827	0.70	...	...
...	0.965	+ 38.891	- 2	...	...	†	...	4.772	- 3.353	- 4	M m	...	...	8.147	+ 58.961	- 4	...	...
741	+ 1.029	- 49.011	- 5	...	...	801	+ 4.861	+ 34.757	- 5	...	...	...	861	+ 8.179	+ 46.792	1.20	46.4312	9.6
*	1.034	+ 24.534	1.40	46.4299	9.5	*	...	4.979	- 6.173	1.00	46.4307	10.0	...	8.271	+ 12.450	- 5	M m	...	
...	1.070	+ 11.352	- 5	M m	...	...	...	5.017	+ 0.594	- 2	M	...	...	8.346	+ 30.795	- 5	M m	...
...	1.156	- 26.211	- 5	...	...	...	...	5.128	+ 15.916	- 4	m	...	...	8.354	- 18.482	- 5	M	...
...	1.186	- 24.451	- 5	M m	...	...	...	5.152	+ 12.994	- 1	...	...	...	8.355	- 7.337	- 5	M	...
...	+ 1.202	- 33.135	- 4	...	...	...	...	5.181	+ 7.378	0.90	46.4308	10.8	*	+ 8.360	+ 2.674	3.60	46.4313	8.0
...	1.234	- 51.969	- 5	...	...	...	...	5.250	+ 46.068	- 5	...	...	...	8.507	+ 0.701	0.65	M a	...
...	1.238	+ 27.488	- 5	m	...	...	...	5.258	- 14.567	- 4	...	...	...	8.529	- 35.025	- 5	M	...
...	1.460	+ 23.639	- 5	M m	...	...	...	5.274	- 50.058	- 4	...	...	...	8.577	- 10.577	- 5	M	...
...	1.468	- 7.650	- 4	...	...	...	...	5.283	- 40.399	- 5	M	...	...	8.661	- 12.103	- 5	M m	...
751	+ 1.561	+ 2.895	- 5	M m	...	811	+ 5.330	- 49.976	- 4	...	...	...	871	+ 8.735	- 16.519	- 5	M m	...
S *	1.563	- 49.001	3.90	47.3936	7.2	...	...	5.335	- 56.073	- 5	...	...	...	8.813	+ 4.046	- 5	m	...
...	1.593	+ 34.589	0.70	...	...	...	...	5.494	+ 36.824	- 5	...	...	...	8.865	- 58.642	- 1	...	...
...	1.602	- 52.230	- 5	...	...	...	...	5.506	+ 1.221	- 5	M m	...	*	8.897	- 23.626	1.00	47.3948	10.4
...	1.641	- 28.571	- 5	M	...	...	...	5.537	- 58.353	- 5	...	...	...	8.900	+ 45.496	- 5	...	...
...	+ 1.714	- 2.389	- 5	M m	...	...	...	5.605	+ 1.744	- 5	M m	...	...	+ 8.901	- 18.997	- 5	M m	...
...	1.782	- 16.127	- 5	M m	...	*	...	5.623	- 0.434	1.60	46.4309	9.6	*	9.090	+ 24.857	0.95	46.4315	10.4	
...	1.813	- 20.320	- 5	M m	...	...	...	5.671	- 40.240	- 5	M	...	...	9.121	- 24.944	- 4	M	...
*	1.879	- 8.928	1.30	47.3937	9.4	*	...	5.776	- 43.353	1.00	47.3943	10.4	...	9.220	- 38.118	0.90	47.3950	10.8	
...	1.975	+ 57.390	- 4	...	...	...	...	5.901	+ 12.724	- 5	M m	...	...	9.231	- 35.048	- 5	M m	...
761	S *	+ 1.999	- 13.771	2.00	47.3938	8.3	5.917	- 52.325	- 5	*	+ 9.244	+ 28.803	1.10	46.4316	10.0
...	2.066	+ 48.006	1.00	46.4300	10.5	...	...	5.928	+ 0.525	- 5	M m	...	*	9.298	+ 41.769	1.15	46.4314	10.0
...	2.080	- 38.644	- 2	...	...	...	...	5.933	+ 25.911	- 5	M m	...	...	9.361	- 10.175	0.70	...	...
...	2.115	- 11.829	- 4	M m	...	...	...	5.934	+ 9.808	- 4	M m	...	...	9.501	- 51.266	- 4	...	...
...	2.133	+ 44.805	- 5	m	...	...	...	5.979	+ 27.648	- 5	M m	...	...	9.624	+ 19.710	- 2	...	...
...	+ 2.210	- 25.616	0.95	47.3939	10.5	...	...	6.060	+ 46.677	- 4	...	...	...	9.677	- 32.248	0.90	...	...
*	2.346	- 7.472	2.00	47.3940	8.8	...	...	6.148	- 19.054	0.90	47.3944	10.8	...	9.684	- 16.308	- 5	m	...
*	2.422	+ 41.777	1.30	46.4301	10.0	...	...	6.164	+ 1.119	- 5	M m	...	†	9.770	- 42.778	- 5	...	...
...	2.429	+ 24.324	- 5	M m	...	...	...	6.192	- 21.515	0.70	...	...	...	9.972	+ 4.779	1.00	46.4317	10.8
*	2.444	- 4.094	1.00	46.4302	10.4	...	...	6.196	- 52.162	- 1	47.3945	10.8	...	9.986	- 29.035	- 5	...	...
771	+	2.459	- 34.030	- 3	...	...	...	6.231	- 9.194	- 5	M	...	...	+ 10.045	- 13.558	0.80	47.3952	10.8
...	2.611	+ 26.996	- 5	M m	...	...	...	6.234	+ 34.868	0.70	...	...	*	10.052	- 7.948	0.95	47.3951	10.8
...	2.661	- 43.498	- 2	...	...	...	...	6.346	- 16.923	0.90	...	...	...	10.146	+ 39.345	- 4	...	...
...	2.915	- 15.429	- 5	M m	...	...	...	6.584	+ 44.721	- 5	M m	...	...	10.172	- 38.659	0.90	47.3953	10.8
*	2.998	+ 55.716	1.20	45.4423	10.0	...	...	6.596	- 19.525	- 5	M m	...	...	10.179	+ 2.420	0.80	46.4319	10.6
...	+ 3.131	+ 18.616	- 5	M m	...	...	...	6.601	+ 26.655	- 2	...	...	*	+ 10.186	+ 10.959	1.20	46.4318	9.6
...	3.323	- 26.192	- 3	...	...	...	...	6.863	+ 59.576	- 4	...	...	...	10.314	- 29.031	- 4	...	...
...	3.357	+ 24.293	0.90	46.4303	10.8	*	...	6.879	+ 10.989	1.10	46.4310	10.0	...	10.387	+ 16.581	- 4	m	...	
†	3.503	+ 49.966	- 1	...	...	...	...	6.913	- 14.255	1.10	47.3946	9.9	S *	10.519	+ 52.256	2.05	46.4320	8.8
...	3.601	- 51.561	- 4	...	...	...	...	7.009	+ 11.217	- 5	M m	...	...	10.590	- 3.095	- 3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
901-960																		
901	+10·673	+11·190	-4	o	m	+14·402	-33·362	-4	o	...	1021	+18·430	-41·848	-4	o	...
...	10·723	-33·543	-4	14·461	+18·928	-4	m	18·443	+23·527	-5
...	10·741	-49·071	-5	14·492	+0·053	-2	f	18·459	-20·493	-5
...	10·797	-56·053	-5	*	...	14·648	-22·223	1·00	47·3961	9·6	...	18·510	+9·309	-4
...	10·841	-19·576	-5	14·715	-27·565	-1	47·3962	10·8	...	18·515	+3·955	-4
...	+10·853	+0·908	-4	m	+14·763	-11·338	-5	+18·759	-49·663	-4
...	11·027	-27·581	-5	14·923	-28·837	-4	18·797	+2·046	-5	m	...
...	11·049	-27·538	-5	14·988	+48·988	-3	18·798	+13·618	-4
...	11·149	-53·079	-5	15·007	+30·957	-5	m	...	*	18·801	-31·537	1·00	47·3974	10·2
...	11·153	-33·158	-5	15·029	+56·721	-4	18·904	+20·262	-5	m	...
911	+11·194	-42·383	-5	...	...	971	+15·237	-0·305	-5	m	...	...	+18·914	+27·675	-3	...	...
...	11·208	+4·146	-5	m	*	15·466	-45·401	1·00	47·3963	10·4	...	18·970	-45·079	-5
...	11·235	-55·105	-5	15·509	+18·263	-5	m	18·977	+24·830	-1	46·4328	10·8
...	11·301	-31·700	-5	15·521	-38·363	-5	m	19·017	-54·558	-5
...	11·425	-42·082	-5	15·732	-53·990	-3	19·113	+5·727	-5	m	...
...	+11·446	-41·580	-4	+15·784	-2·362	-4	+19·149	-46·882	-5
...	11·519	+11·487	-3	m	*	15·948	-20·495	1·15	47·3964	9·6	*	19·241	-44·128	1·00	47·3975	10·4
...	11·534	+22·809	0·85	46·4321	10·8	16·111	-45·527	-4	19·276	+50·369	-5
...	11·688	-14·082	-5	16·263	+49·545	-5	m	19·474	-56·929	0·85	47·3976	10·4
...	11·713	-10·893	-5	16·271	+24·689	-3	19·485	-41·629	-5
921	+11·896	+4·350	-3	m	...	981	+16·309	+26·135	-5	m	1041	+19·680	-56·639	-5
...	*	11·900	-11·240	1·25	47·3955	9·4	...	16·314	-39·206	-5	19·753	+59·211	1·30	45·4437	9·8
n *	11·996	+24·729	2·00	46·4322	8·8	...	16·328	-7·899	-4	...	...	...	19·895	-31·413	-5	...	...
n *	12·054	+58·767	-5	m	...	*	16·402	-34·214	2·00	47·3965	8·9	...	20·021	+11·794	-5	m	...	
n *	12·173	+24·867	1·00	46·4322	8·8	...	16·442	-17·364	-5	m	...	...	20·062	-51·102	-3	...	...
...	+12·183	-24·581	-5	...	...	...	+16·450	-9·500	-4	...	...	...	+20·073	-41·692	-3	...	...
...	12·231	-41·778	-5	...	...	*	16·465	-11·970	1·00	47·3966	10·2	...	20·127	-6·119	-5	m	...
...	12·272	-35·794	-2	...	...	...	16·507	+33·582	-5	m	...	...	20·225	-35·866	-3	...	...
...	12·331	+50·109	-5	m	...	...	16·535	-16·683	-1	...	...	...	20·255	-32·087	-5	...	...
...	12·360	-7·148	0·90	47·3956	10·8	*	16·580	-19·146	1·00	47·3967	9·8	...	20·284	-21·449	-4	...	...
931	+12·461	-36·736	0·90	47·3957	10·8	991	+16·594	+16·161	-3	1051	+20·325	+50·959	-5
...	12·551	+16·642	-5	m	...	*	16·661	-57·210	1·10	47·3969	10·0	...	20·398	-10·277	0·90	47·3977	10·5	
...	12·556	+55·023	-5	...	...	...	16·712	-12·174	-2	...	...	...	20·560	-43·688	-3	47·3979	10·8
...	*	12·695	+18·708	1·30	46·4323	9·8	...	16·713	-38·827	-3	20·581	-3·402	-4
...	12·723	+44·846	-1	...	...	...	16·864	-16·505	-5	m	...	...	20·611	-14·791	-5	...	...
...	+12·864	+3·635	0·70	...	...	...	+16·876	-41·721	-4	...	...	...	+20·624	-0·295	-4	...	...
...	*	12·887	-31·324	3·00	47·3958	7·7	...	16·886	-29·196	-1	47·3968	10·4	*	20·640	-37·868	1·00	47·3978	10·4
...	12·946	-40·449	-4	...	...	...	16·920	-29·261	-4	...	...	...	20·718	+21·045	-5	m	...
...	12·958	+19·065	-4	m	...	...	17·117	+42·518	-5	m	...	*	20·740	+54·227	1·20	45·4438	9·5
...	12·986	+45·153	-1	...	...	...	17·139	-0·820	-3	...	...	...	20·803	-44·754	-5	...	...
941	+13·129	-15·886	0·90	1001	+17·195	-19·461	-5	1061	+20·858	+22·620	-3
...	13·150	-49·885	-3	...	...	...	17·259	+6·336	-5	m	...	...	20·922	-7·106	-5	m	...
...	13·452	-47·482	-4	...	...	...	17·363	+17·719	-5	m	...	...	21·119	-33·020	-4	...	...
...	*	13·518	-3·613	2·20	46·4324	8·7	*	17·415	+37·571	1·35	46·4326	9·4	...	21·225	+55·881	-5
...	13·585	+9·738	-5	m	...	...	17·427	-53·243	-3	...	...	*	21·262	-28·077	1·00	47·3980	10·6
...	+13·641	-4·058	0·80	...	...	...	+17·429	+20·987	-5	m	...	...	+21·387	-20·172	-5	...	...
...	13·839	+48·208	-1	...	...	*	17·465	-56·076	1·25	47·3971	9·4	...	21·450	+22·883	-4	...	...
...	13·843	-12·562	-5	...	...	...	17·520	+7·508	-4	m	...	...	21·578	+26·222	-5	...	...
...	13·893	+21·897	0·90	46·4325	10·8	*	17·550	-4·815	1·00	46·4327	10·2	...	21·598	+40·539	-1	...	...
...	13·904	+17·731	0·90	...	...	...	17·606	-19·953	-5	...	...	...	21·605	+4·515	-5	m	...
951	+13·931	+17·990	-4	m	...	1011	+17·631	-2·137	-5	1071	+21·683	+23·145	-5	m	...
...	14·028	+7·212	-4	m	...	...	17·725	-46·861	-5	...	...	...	21·869	-57·998	-5	...	...
...	*	14·048	-7·889	1·35	47·3959	9·6	...	17·819	-2·273	-4	21·878	+12·225	-4	m	...
...	14·151	+45·923	-1	...	...	*	17·851	-42·257	1·00	47·3972	10·5	...	21·940	-40·585	-2	47·3981	10·8
...	14·151	-18·111	-5	m	...	...	17·860	+3·008	-4	m	...	...	22·001	+4·422	-5	m	...
...	+14·164	-26·412	-3	...	...	...	+17·883	-10·467	-5	m	...	...	+22·023	+5·777	-5	m	...
...	14·211	+0·661	-5	m	...	...	18·000	-20·811	-4	...	...	*	22·027	+24·385	1·05	46·4329	10·2
...	14·227	+53·159	-3	45·4432	10·8	...	18·170	-56·174	-5	...	...	...	22·087	+22·317	-5	m	...
...	*	14·303	-27·405	1·05	47·3960	9·9	...	18·218	+3·588	-5	m	22·215	+33·763	-3
...	14·328	+11·194	-4	m	...	*	18·378	-14·667	1·10	47·3973	9·5	...	22·263	+19·755	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-ι.	No.	Mag.	x.	y.		-ι.	No.	Mag.	x.	y.	-ι.	No.	Mag.			
1081-1140																		1141-1200		
1081	*	+22·282	-23·960	1·00	47.3982	10·4	1141	*	+27·481	+3·409	1·00	46.4334	10·4	1201	*	+32·661	-8·459	1·00	47.3995	10·4
...	22·428	+31·957	-4	m	...	...	...	27·631	+52·985	-5	...	...	...	...	32·679	-23·748	-5	...	...
...	22·470	+18·938	-5	m	...	...	...	28·023	+7·568	-4	...	...	...	...	32·698	+15·630	-5	m	...
...	22·592	+59·750	-3	45.4443	10·8	...	...	28·043	+31·921	-4	...	...	...	...	32·919	+22·983	1·15	46.4344	10·0
...	22·953	-0·300	-5	m	...	...	...	28·116	-2·688	-3	46.4335	10·8	...	...	32·975	+19·902	-5	m	...
...	+22·964	-34·241	-5	...	...	...	...	+28·130	+52·262	-5	...	...	...	...	+32·983	+32·572	-5	m	...
...	23·066	-30·870	-5	...	...	...	...	28·167	-10·810	-5	...	...	...	...	33·111	-23·070	-3	...	...
...	23·121	+19·439	-5	m	...	...	...	28·256	-22·149	-3	...	...	...	...	33·222	+29·902	-5	m	...
...	23·186	+8·996	-5	m	...	...	...	28·306	-21·892	-4	...	...	...	...	33·242	+27·634	1·00	46.4345	10·4
...	23·194	-48·931	-5	...	...	...	*	28·484	-38·520	1·00	47.3989	10·4	...	...	33·322	+44·240	-4	m	...
1091	...	+23·205	+13·587	-3	...	...	...	+28·679	-8·003	-2	47.3988	10·8	1211	...	+33·360	-14·227	1·00	47.3996	10·5
...	23·236	-12·143	-5	...	...	...	...	28·860	-38·415	-2	...	...	...	...	33·395	+8·794	-2	...	...
...	23·256	+21·635	-3	...	...	...	...	28·875	+12·703	-4	...	...	...	...	33·402	+0·398	-4	m	...
...	23·291	+7·799	-1	46.4331	10·8	...	...	28·945	-23·814	-5	...	...	...	...	33·577	+31·212	1·35	46.4346	9·6
...	23·326	+50·079	-3	46.4330	10·8	...	*	29·034	-25·990	-4	...	...	...	...	33·621	+27·674	0·70	...	...
...	+23·392	-8·659	-5	...	...	*	+29·165	-12·030	1·10	47.3990	10·0	...	...	...	+33·623	+23·838	-3	m	...
...	23·628	+9·223	-4	...	...	...	...	29·403	+3·338	-5	m	...	...	...	33·624	+32·553	1·00	46.4347	10·5
...	23·662	+1·317	-4	m	...	...	...	29·448	+19·784	-5	m	...	...	...	33·850	+13·062	-4	m	...
...	24·203	+13·178	-5	m	...	...	...	29·644	+22·219	-5	m	...	...	...	33·862	-30·567	-4	...	...
...	24·207	-43·911	-5	...	...	†	29·835	-23·100	-4	...	...	...	...	33·874	+4·626	-5	m	...	
1101	...	+24·333	+50·054	-5	m	...	...	+29·840	+51·740	-5	m	...	...	...	+33·927	-36·969	-2	47.3998	10·8
...	24·531	-13·165	-5	...	...	...	...	30·110	+42·454	-4	m	...	...	...	34·001	+13·147	0·90	46.4348	10·8
...	* 24·538	-28·806	1·00	47.3983	10·4	...	...	30·119	+4·435	-3	...	...	...	...	34·065	-56·371	-5	...	...
...	24·595	-29·964	-4	...	...	*	...	30·198	+3·005	1·00	46.4336	10·4	...	...	34·112	-16·536	-5	...	...
...	24·634	+57·898	-5	...	...	...	...	30·285	-13·028	-4	...	...	...	...	34·113	+32·585	-4	m	...
...	+24·642	+21·203	-3	...	...	...	...	+30·450	+7·408	-5	m	...	...	...	+34·177	-39·104	-5	...	...
...	† 24·797	-29·786	-1	47.3984	10·4	...	...	30·596	+0·265	-4	m	...	...	...	34·310	+4·097	-4	...	...
...	24·800	+18·705	-5	m	...	...	...	30·605	-7·768	-5	m	...	...	...	34·340	-9·959	-4	...	...
...	24·861	-6·333	-5	...	...	...	...	30·765	+36·690	-4	...	...	...	...	34·366	-54·138	-5	...	...
...	25·015	+8·366	-5	m	...	...	...	31·002	+24·084	0·95	46.4337	10·8	...	...	34·418	+56·447	-5	...	...
1111	...	+25·166	+3·161	-3	...	...	...	+31·019	-7·217	-4	m	...	...	...	+34·462	+0·449	-5	m	...
...	25·329	-21·326	-5	m	...	†	...	31·026	+10·111	-5	m	...	...	...	34·618	+34·812	-5	m	...
...	25·331	-4·075	-3	...	...	...	...	31·343	+8·285	-5	m	...	...	...	34·633	-20·839	-1	47.3999	10·5
...	25·465	-46·410	-5	...	...	...	...	31·355	-15·051	-5	...	...	...	...	34·750	+17·033	-5	m	...
...	25·522	-3·255	-4	...	...	...	...	31·358	-29·696	-4	...	...	...	...	34·815	-42·211	-4	...	...
...	+25·603	-28·337	-5	...	...	...	...	+31·368	+2·542	-5	m	...	...	...	+34·846	-32·106	-5	...	...
...	25·641	-51·312	-5	...	...	*	...	31·540	+55·091	1·15	45·4450	10·0	...	...	34·851	+8·065	-3	...	...
...	25·821	-18·679	-5	...	...	*	...	31·542	-36·571	1·05	47.3992	10·2	...	...	34·943	-30·617	-2	...	...
...	25·835	+29·178	-5	...	...	...	...	31·557	-26·732	-4	...	...	...	...	34·960	-10·747	-4	...	...
...	25·902	-42·949	-3	...	...	...	...	31·561	+49·217	-4	...	...	...	...	35·124	+32·897	-4	...	...
1121	...	+25·920	+12·703	-4	m	...	*	+31·588	-45·963	1·00	47.3993	10·2	1241	...	+35·146	+48·871	-4	...	...
...	26·078	-21·490	-3	...	...	*	...	31·622	+4·267	1·60	46·4338	9·4	...	...	35·153	+27·145	-5	m	...
...	26·082	-18·310	-3	...	...	*	...	31·687	-21·179	1·00	47·3991	10·2	...	...	35·261	-1·668	-5	m	...
...	26·122	+3·889	-5	m	...	...	...	31·853	-31·748	-4	...	...	...	...	35·291	+7·472	-4	...	...
...	26·150	+17·836	-5	m	...	...	...	31·885	-16·784	-5	...	...	...	...	35·429	+18·735	0·65	...	...
...	+26·331	+50·126	0·70	46·4332	10·4	...	...	+31·937	-17·366	0·65	47·3994	10·8	...	...	+35·442	+2·245	-4	m	...
...	26·503	-2·258	-5	m	...	...	...	31·944	+14·694	0·80	46·4340	10·8	*	...	35·455	+3·029	1·35	46·4349	9·5
...	26·562	+17·671	-5	m	...	...	...	31·956	+53·690	-1	45·4451	10·6	...	...	35·472	-11·923	0·70	...	...
...	26·621	-28·796	-1	47.3986	10·8	*	...	31·982	+19·504	1·10	46·4341	10·0	...	...	35·500	-13·086	-3	...	...
...	26·806	+45·095	-5	m	...	...	...	32·002	+28·410	1·00	46·4339	10·8	...	...	35·659	+59·499	-1	45·4456	10·4
1131	...	+26·819	+4·974	0·70	46·4333	10·4	...	+32·089	+14·171	-4	m	...	...	...	+35·723	-50·954	1·10	47·4001	10·2
...	26·836	+12·263	-5	m	...	S *	...	32·213	+7·816	1·85	46·4342	9·3	...	...	35·778	-43·212	-5	...	...
...	26·951	-42·869	-5	...	...	...	...	32·302	+18·641	0·80	46·4343	10·8	...	...	35·789	+42·580	-3	...	...
...	27·068	-17·489	-5	...	...	...	...	32·353	+1·724	-4	...	...	...	...	35·832	-45·748	-5	...	...
...	27·111	-45·656	0·70	47.3987	10·8	...	...	32·372	-25·983	-5	...	...	...	...	35·885	+36·172	-3	...	...
...	+27·114	-1·924	-5	m	...	...	...	+32·471	-28·315	-5	...	...	...	...	+35·984	+0·644	-5	m	...
...	27·134	-5·913	-1	...	...	...	...	32·485	+33·879	-4	m	...	...	...	36·101	+43·469	-5	m	...
...	27·202	-11·396	-5	...	...	...	...	32·563	+26·027	-5	m	...	...	...	36·155	+17·478	-5	m	...
...	27·253	-24·108	-1	...	...	...	...	32·642	-14·736	-5	...	...	*	...	36·178	+17·327	1·00	46·4350	10·2
...	27·258	+45·767	-4	...	...	...	...	32·644	-11·456	-2	...	...	...	...	36·185	-38·392	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1261-1320																	
1261	+36°289	-31°226	1°00	47.4002	10·8	1321	+40°709	-28°391	0°90	47.4010	10·6	1381	* +45°991	-53°329	1°40	47.4022	9·4
...	36°330	-32°157	-5	...	...	...	40°728	+38°824	1°00	46.4354	10·2	...	* 46°065	+11°940	1°00	46.4363	10·4
†	36°338	-29°789	0°95	47.4003	10·6	...	40°746	-48°955	-2	...	...	...	46°090	-30°377	-5	...	...
...	36°545	-24°383	-4	...	...	...	40°747	-48°149	-5	...	...	...	46°095	+22°145	-4	m	...
...	36°618	-3°395	-3	...	...	...	40°763	+56°631	-5	...	...	...	46°150	-5°206	-5	e	...
...	+36°790	-12°169	-3	...	...	...	+40°831	-36°326	-3	...	...	...	+46°229	-6°845	-5	m	...
...	36°797	-38°715	0°90	47.4005	10·8	*	41°008	+56°277	1°00	45.4468	10·2	...	46°331	-19°652	-5	...	...
...	36°841	+39°304	-5	...	...	...	41°102	+18°870	0°90	...	...	...	46°555	-31°786	-5	m	...
...	36°843	-13°479	-3	...	...	...	41°229	+13°671	-5	m	...	...	46°619	-12°075	-5	...	...
...	36°888	+27°803	-5	m	...	...	41°340	-7°117	-5	m	...	...	46°672	-7°307	-5	m	...
1271																	
*	+37°053	-8°097	1°00	47.4004	10·5	*	+41°377	-25°737	2°90	47.4012	8·3	*	+46°713	-44°669	1°20	47.4023	9·5
...	37°076	-6°066	-3	...	...	...	41°388	-6°956	-2	...	...	*	46°721	+36°930	2°00	46.4364	8·8
*	37°129	-20°121	1°00	47.4006	10·2	...	41°410	-5°564	0°95	...	...	...	46°791	-36°529	0°65	47.4024	10·8
...	37°162	-4°318	-2	...	...	...	41°455	-59°300	-1	47.4013	10·6	...	46°827	-34°482	-5	...	...
*	37°219	+14°190	1°00	46.4351	10·0	...	41°477	-9°489	0°90	...	...	...	47°120	-52°531	-5	...	...
...	+37°426	-15°518	-5	m	...	...	+41°492	+40°187	-4	...	...	...	+47°143	-24°724	-3	...	...
...	37°451	+2°552	-4	m	...	...	41°658	-39°124	-5	...	...	...	47°162	+56°350	-5	...	...
...	37°679	+11°972	-5	m	...	...	41°755	-0°058	0°70	f	...	...	47°298	-38°136	-1	...	...
...	37°722	-7°350	-5	...	...	...	41°798	+42°249	1°00	46.4358	10·4	...	47°400	-9°140	-5	...	...
...	37°737	+11°521	-4	m	...	...	41°813	+1°210	-2	...	...	...	47°624	-4°098	-4	...	...
1281																	
...	+37°850	-33°081	-5	...	...	*	+41°919	-54°430	2°00	47.4014	9·4	...	+47°766	+2°812	-5	e	...
...	37°856	+17°937	-4	m	...	...	42°002	-29°312	-3	...	...	...	48°163	-33°543	0°90	47.4025	10·4
...	37°970	+18°436	-2	...	...	...	42°028	+27°586	-5	...	...	...	48°232	+32°780	-5	...	...
*	38°053	+20°284	1°00	46.4352	10·0	...	42°095	-14°473	-5	...	...	*	48°238	-6°463	2°20	46.4366	8·5
...	38°057	-24°670	0°90	...	...	...	42°388	+51°625	-5	...	...	...	48°309	-46°013	1°00	47.4026	10·2
...	+38°121	+6°103	-5	m	...	...	+42°472	-26°872	-5	...	...	...	+48°432	-8°051	-3	...	...
...	38°154	+58°554	-3	...	...	...	42°520	+29°685	-3	...	...	S *	48°585	+45°877	2·65	46.4365	8·3
...	38°390	-15°972	-5	m	...	...	42°557	-22°438	0°90	...	...	...	48°591	+47°535	-5	m	...
...	38°551	-59°250	-5	...	...	*	42°603	-9°376	1°10	47.4015	10·2	...	48°727	+25°601	1°00	46.4367	10·6
*	38°602	+25°184	1°00	46.4353	10·2	...	42°742	-6°561	0°95	...	...	...	48°919	-23°927	-5	...	...
1291																	
...	+38°638	+7°092	-5	m	...	...	+42°822	-25°287	-3	...	...	SN*	+49°165	-31°639	2·95	47.4027	8·1
...	38°666	-7°068	-4	...	...	...	42°839	-48°516	-4	...	...	...	49°188	-26°626	-5	...	...
...	38°843	+54°275	1°00	45.4461	10·2	...	42°965	-43°560	-5	...	...	...	49°362	-14°738	-3	...	...
...	38°921	+35°202	-4	...	...	...	43°055	-22°903	-5	...	...	...	49°490	+1°379	-4	e	...
...	39°450	-38°220	1°00	47.4008	10·5	...	43°375	+51°147	-5	...	...	...	49°548	-5°845	-4	...	...
...	+39°475	+58°750	-2	45.4463	10·6	...	+43°382	-42°553	-5	...	...	...	+49°556	+6°285	-3	...	...
...	39°539	+0°558	-3	...	...	...	43°529	-50°304	-5	...	...	...	49°605	+22°350	-5	m	...
...	39°566	-9°332	-5	...	...	*	43°567	-33°070	1°05	47.4017	10·2	†	49°624	-12°007	-3	47.4028	10·8
...	39°577	+0°821	-4	m	...	...	43°692	+35°364	-3	...	...	†	49°696	-26°661	-3	...	...
†	39°792	+36°928	-5	m	...	...	43°748	-43°710	-5	...	...	...	49°780	+26°534	-5	m	...
1301																	
*	+39°860	-38°036	1°20	47.4009	10·0	*	+43°854	+20°695	1°15	46.4359	10·2	...	+49°953	-28°553	-4	...	...
...	39°952	-10°682	-4	...	...	...	44°169	-32°703	-4	...	...	...	50°034	-9°931	-5	...	...
...	40°007	+21°755	-3	m	...	...	44°246	+36°115	-5	m	...	*	50°119	-57°191	1°30	47.4029	10·0
...	40°065	+36°192	-4	...	...	...	44°247	-15°277	-4	...	...	*	50°706	+4°190	1°10	46.4369	9·9
...	40°067	+54°663	1°00	45.4464	10·2	...	44°352	-30°627	-5	...	...	...	50°714	+4°313	-5	...	...
...	+40°086	+57°846	-5	m	...	...	+44°521	+19°160	1°00	46.4360	10·8	...	+50°758	-21°044	1°00	47.4030	10·8
...	40°093	-37°501	-5	...	...	†	44°620	-9°347	1°00	47.4018	10·6	...	50°826	-44°644	-4	...	...
...	40°151	-30°191	-1	...	...	...	44°788	-1°309	-4	...	...	*	51°006	-16°048	1°00	47.4031	10·2
...	40°160	+51°626	-4	...	...	...	44°816	+1°715	-5	e	...	...	51°034	+3°821	-3	...	...
...	40°315	-26°043	-5	...	...	...	44°895	-14°272	-5	m	...	*	51°382	+45°431	2·50	46.4368	8·4
1311																	
...	+40°318	+10°450	-4	m	...	...	+45°012	+12°517	-1	46.4361	10·8	...	+51°684	-17°751	-5	...	...
*	40°324	+6°050	1°40	46.4355	9·6	...	45°111	-40°776	0·70	47.4019	10·8	...	51°787	+40°553	-2	46.4370	10·8
*	40°418	+0·677	3°00	46.4357	8·0	...	45°173	-26°938	-4	...	...	*	51°836	+11·547	1°00	46.4372	10·4
...	40°423	+22°089	-4	m	...	...	45°252	+35°295	0·90	46.4362	10·2	*	51°900	+25°901	1°00	46.4371	9·9
*	40°563	+8·246	1°05	46.4356	10·2	...	45°254	-53°745	-5	...	...	...	51°987	-35°342	-4	...	...
...	+40°576	-39°984	1°00	47.4011	10·8	...	+45°512	-5°255	-3	...	...	...	+52·356	-2·180	-3	...	...
...	40°585	+30°886	-5	m	...	...	45°602	+3°395	-5	m	...	...	52·466	+21°992	-4	...	...
...	40°618	+17°241	-5	m	...	*	45°671	-45°021	1°25	47.4020	9·6	*	52·710	-35°091	1°10	47.4032	10·0
...	40°639	+9°799	-5	m	...	*	45°713	-56°357	1°10	47.4021	9·9	*	53·197	+36°270	1°00	46.4374	10·0
...	40°646	-28°516	-5	...	...	...	45°745	+1°548	-2	...	...	...	53·322	-52°269	-5	...	...

1411. Remeasure 1914, $x = 49' \cdot 176$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1441-1460																	
1441	+53°370	+51°032	1°20	46.4373	9·8	1461	+56°410	-54°450	-1	47.4039	10·8	1481	+58°529	+56°524	-5	°	...
...	53°754	-54°893	-5	...	...	...	56°511	-44°881	-5	...	...	...	58°756	-5°642	-5	...	...
...	53°865	-37°635	-2	47.4034	10·2	S *	56°535	-9°467	2°00	47.4037	8·9	...	58°843	-51°391	0·80	47.4045	10·5
...	53°921	-27°679	-5	...	...	...	56°808	-44°556	-5	...	...	...	58°921	+28°771	-5	...	...
...	53°962	-50°298	-5	...	...	...	56°879	+59°061	-5	...	...	...	58°938	-46°684	-1	47.4044	10·4
*	+54°129	-41°176	1°30	47.4035	9·4	...	+57°000	-53°852	-5	...	...	...	+58°999	-31°598	-5	...	...
...	54°293	-20°278	-4	...	...	...	57°166	+2°820	-2	46.4377	10·8	...	59°051	+0°023	-5	e	...
†	54°706	-58°525	-5	...	...	...	57°437	-51°525	-5	...	...	...	59°057	-30°785	2·20	47.4043	8·9
...	54°730	-18°985	-2	47.4036	10·8	...	57°468	+47°327	-3	46.4376	10·6	...	59°307	+43°434	-5	...	...
...	54°756	-5°726	-5	e	...	...	57°526	+25°495	-5	...	...	...	59°404	+3°725	-1	46.4380	10·8
1451	+54°783	-57°174	-4	...	...	1471	+57°690	-7°024	-1	46.4378	10·8	1491	+59°541	-10°562	-4	...	...
...	54°929	+25°895	-3	...	...	...	57°745	-38°998	-5	...	...	...	59°546	+12°306	-3	...	...
...	55°024	-37°881	-5	...	...	...	57°844	-29°322	-5	...	...	...	59°614	-56°465	-5	...	...
...	55°082	-50°327	-5	...	...	...	57°948	-57°772	-5	...	...	...		
...	55°450	+34°332	-3	46.4375	10·8	...	58°157	-28°846	-5	...	...	...		
...	+55°540	-39°210	-4	...	...	*	+58°296	-59°078	1°20	47.4042	9·6	...					
...	55°751	-44°359	-5	...	...	...	58°348	-6°439	1°00	46.4379	10·2	...					
...	55°908	-26°442	-5	...	...	...	58°413	+48°567	-5	e	...	...			
...	55°962	+29°191	-5	e	...	N [	58°436	+7°878	-4	...	...	...		
*	55°978	-47°421	2°40	47.4038	8·5	*	58°510	-42°247	2°00	47.4041	9·2	...					

1479. Mass. 46°·62, mass; 47°·62, two stars.

1-30					31-60					61-90							
I	-60°121	-26°035	2°90	47.4012	8·3	31	* -56°642	+11°762	1°00	46.4363	10·4	61	-52°602	-5°899	-3	°	...
+	60°015	-49°268	-2	...	...	...	56°293	-27°129	-2	...	...	...	52°570	-14°344	-5	...	...
...	59°772	+35°099	-3	...	...	...	56°029	-5°369	-5	E	...	*	52°562	-46°089	1°20	47.4026	10·2
*	59°430	-9°653	1°00	47.4015	10·2	...	55°924	-40°952	0°95	47.4019	10·8	...	52°504	-14°790	-2	...	...
...	59°399	-29°588	-2	...	...	...	55°374	-19°809	-4	...	...	...	52°482	-4°500	-5	M	...
...	-59°388	-6°835	0·80	...	...	...	-55°356	-53°918	-4	...	...	*	-52°397	+45°416	3°00	46.4368	8·4
*	59°128	+20°445	1°15	46.4359	10·2	...	55°328	-12°228	-5	...	...	...	52°323	-12°057	0°95	47.4028	10·8
...	59°066	-22°713	0·85	...	...	...	55°290	-30°539	-4	...	...	...	52°296	-26°688	-4	...	...
...	58°976	-59°592	-1	47.4013	10·6	+	55°236	-45°178	1°35	47.4020	9·6	S *	52°137	-31°692	3°00	47.4027	8·1
...	58°706	-25°554	-2	...	...	+	55°204	+45°771	2°30	46.4365	8·3	...	51°971	-9°965	-3	...	...
II	-58°668	-54°704	2°00	47.4014	9·4	41	-55°159	+32°657	-4	...	...	71	-51°848	+40°538	-1	46.4370	10·8
...	58°551	-23°155	-5	...	...	*	54°822	-56°524	1°40	47.4021	9·9	...	51°786	-26°690	0°90	...	...
...	58°416	+18°932	0·85	46.4360	10·8	...	54°669	+2°693	-4	E	...	...	51°769	+4°294	-3	...	...
*	58°210	+35°076	1°00	46.4362	10·2	*	54°647	-53°475	1°90	47.4022	9·4	*	51°762	+4°167	1°20	46.4369	9·9
...	57°974	-43°807	-5	...	...	*	54°587	-4°218	-3	...	...	...	51°470	-28°582	0°70	...	...
...	-57°948	-48°765	-3	...	...	*	-54°436	+25°502	1°00	46.4367	10·6	...	-51°430	+3°806	0°90	...	...
...	57°720	+12°305	0·65	46.4361	10·8	...	54°419	-34°606	-5	...	...	*	51°253	+25°908	1·25	46.4371	9·9
*	57°701	-33°298	1°05	47.4017	10·2	...	54°404	-24°845	-2	...	...	*	50°907	-21°055	0°95	47.4030	10·8
...	57°589	-15°497	-3	...	...	...	54°389	-36°648	1°00	47.4024	10·8	*	50°866	+11°551	1°00	46.4372	10·4
...	57°578	+1°514	-5	E	...	*	54°195	-44°786	1°60	47.4023	9·5	...	50°813	+26°701	-5	M	...
21	-57°506	-1°508	-3	...	...	51	-54°069	-4°473	-5	M	...	81	-50°813	-16°056	1·10	47.4031	10·2
...	57°415	-9°550	1°00	47.4018	10·6	*	53°883	-6°550	2°70	46.4366	8·5	...	50°684	+55°615	-4	...	...
...	57°200	-50°528	-4	...	...	...	53°806	-38°243	-1	...	...	*	50°601	+51°075	1·60	46.4373	9·8
...	57°122	-32°915	-3	...	...	...	53°659	-8°139	-2	...	...	...	50°562	+22°018	0·80	...	...
...	57°003	-30°840	-5	...	...	...	53°552	-52°660	-4	...	...	...	50°542	+51°615	-5	M	...
...	-56°962	+56°194	-2	...	...	...	-53°097	-33°633	1°05	47.4025	10·4	...	-50°467	-46°266	-5	...	...
*	56°787	+36°758	2°00	46.4364	8·8	...	53°020	-54°755	-4	...	...	*	50°382	-57°192	1·40	47.4029	10·0
...	56°783	+31°615	-4	M	...	...	52°990	+6°213	0°75	...	...	+	50°301	+36°317	1·10	46.4374	10·0
...	56°672	-5°436	0·70	...	...	...	52°894	+1°318	-3	E	...	...	50°096	-17°727	-4	...	...
...	56°645	+1°372	0·80	...	...	...	52°638	-23°991	-5	...	...	...	50°092	-44°640	-1	...	...

L measured from 1, 190, 369, 514, 655, 833.

MC " " 89, 276, 437, 572, 743, 912.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
91-150																	
91	-49·908	-2·143	-1	o	...	151	-43·255	-51·290	-5	o	...	211	-37·593	+25·880	-3	o	...
...	49·235	-35·303	-3	...	...	...	43·200	+12·564	-1	...	...	...	37·490	+9·280	1·00	46·4388	10·2
...	48·880	+47·534	-5	M	...	...	43·067	+3·977	0·90	46·4380	10·8	*	37·466	+51·820	1·15	46·4389	10·4
+	48·532	-35·019	1·00	47·4032	10·0	*	42·981	-59·685	2·00	47·4040	9·0	...	37·322	-31·352	0·90	47·4049	10·8
...	48·474	+57·849	-4	...	...	...	42·952	-26·126	-5	...	...	*	37·135	-8·190	1·10	47·4052	10·2
...	-48·237	+26·006	-2	...	...	...	42·733	+39·975	-4	M	...	...	-37·076	-25·173	-5	M	...
...	48·052	+32·357	-4	M	...	...	42·539	-57·516	-4	...	...	*	36·948	-58·306	1·10	47·4050	10·0
...	47·981	+34·451	0·85	46·4375	10·8	*	42·470	-41·986	1·90	47·4041	9·2	*	36·942	-28·375	1·20	47·4051	9·6
...	47·529	-27·578	-4	...	...	...	42·468	-10·286	-1	...	...	...	36·780	-50·724	-3	...	...
...	47·411	-5·616	-4	E	...	...	42·420	+43·703	-1	...	...	...	36·633	+48·150	-5	M	...
101	-47·406	-20·166	-2	...	...	161	-42·418	+51·313	-1	...	...	...	-36·591	-2·658	-5	...	...
...	47·353	-52·169	-2	...	...	...	42·411	+33·384	-4	...	...	...	36·198	-22·777	0·90	...	...
...	47·337	+59·223	-2	...	...	*	42·411	-2·115	1·00	46·4381	10·5	*	36·114	+12·488	1·25	46·4390	9·8
...	47·308	+29·328	-5	E	...	...	42·339	+32·580	-3	...	...	...	36·042	+59·273	-5	M	...
*	47·280	-37·526	1·00	47·4034	10·2	...	42·339	-31·341	-3	...	...	*	36·013	+33·015	1·40	46·4391	9·6
...	-47·261	-58·816	-2	...	...	*	42·306	-30·507	1·90	47·4043	8·9	...	-35·813	-46·981	-5	...	...
...	46·999	-18·875	0·80	47·4036	10·8	*	42·150	-58·816	1·40	47·4042	9·6	...	35·792	+49·614	-5	M	...
*	46·897	-41·067	1·40	47·4035	9·4	...	42·148	+49·203	-2	46·4383	10·8	...	35·448	+3·799	0·90	...	...
...	46·891	-26·211	-5	...	...	...	42·144	-34·452	-4	...	...	†	35·295	-49·967	-5	...	...
...	46·825	-54·801	-3	...	...	...	42·082	-29·815	-4	...	...	†	35·256	-29·903	3·00	47·4056	8·1
III	-46·764	-50·174	-2	...	...	171	-42·016	+16·069	-4	M	...	†	-35·156	-44·116	-1	47·4055	10·8
...	46·367	+47·503	0·80	46·4376	10·6	*	41·918	-46·414	0·90	47·4044	10·4	*	35·117	-0·465	1·30	46·4392	10·0
...	46·349	-37·641	-5	...	...	...	41·853	-51·111	0·90	47·4045	10·5	...	35·082	-46·046	-5	...	...
...	46·094	-37·729	-2	...	...	...	41·747	-20·912	-2	...	...	...	34·859	-7·828	0·85	...	...
...	46·024	-56·163	-3	...	...	†	41·673	+4·928	0·90	46·4382	10·4	*	34·597	-10·654	1·15	47·4057	10·0
...	-45·751	-58·400	-4	...	...	...	41·654	-11·364	-5	...	...	...	-34·485	+5·717	-5	M	...
...	45·749	+43·444	-5	M	...	...	41·232	+32·312	-1	...	...	...	34·482	+12·110	-1	...	...
...	45·743	-57·042	-2	...	...	...	41·139	-5·227	-5	...	...	...	34·423	-49·622	-1	...	...
...	45·636	+25·696	-4	...	...	...	41·085	+10·656	-3	...	...	...	34·180	-31·171	0·80	...	...
...	45·635	-50·183	-4	...	...	...	41·074	-32·502	-4	...	...	...	34·107	-58·203	-5	...	...
121	-45·634	-37·181	-5	...	...	181	-40·977	+40·741	-5	M	...	...	-34·096	+36·409	0·75	...	...
...	45·615	+56·711	-2	...	...	...	40·917	+34·980	-5	M	...	...	33·794	-30·575	-2	...	...
...	45·578	-26·274	-4	...	...	...	40·917	-56·170	-2	...	...	*	33·776	-58·239	1·20	47·4058	10·0
...	45·541	-39·046	-2	...	...	*	40·676	+38·436	1·50	46·4384	9·6	*	33·558	-45·477	1·10	47·4059	9·9
S *	45·504	-9·292	1·75	47·4037	8·9	...	40·564	+15·611	-4	M	...	*	33·536	-10·744	1·70	47·4061	9·2
...	-45·462	+48·769	-4	E	...	...	-40·429	+15·557	-4	M	...	...	-32·908	-18·284	-2	...	...
†	45·269	+3·002	-2	46·4377	10·8	...	40·351	+13·515	-2	...	...	*	32·711	-58·438	1·15	47·4062	10·0
†	45·156	-44·197	-1	...	...	*	40·342	-9·550	0·90	47·4047	10·6	...	32·539	-41·464	-5	...	...
...	45·096	-31·996	-5	...	...	†	40·220	-44·569	-4	...	...	...	32·395	-39·763	-5	...	...
*	44·848	-47·243	2·20	47·4038	8·5	†	40·185	+25·854	-5	...	...	...	32·387	+29·113	0·95	46·4394	10·8
131	-44·749	+43·012	-5	M	...	191	-39·162	-7·720	-4	...	...	...	-32·353	+37·905	-4	...	...
...	44·430	-6·822	0·80	46·4378	10·8	...	39·106	-17·187	-5	...	...	...	32·296	-6·464	-5	...	...
...	44·419	+43·670	-1	...	...	...	39·074	+9·257	-5	M	...	*	32·293	+22·723	2·00	46·4393	9·4
...	44·402	-44·695	-3	...	...	...	39·018	+6·010	0·90	46·4385	10·8	...	32·208	+44·114	1·00	46·4395	10·6
...	44·349	+29·006	-3	...	...	*	38·965	-46·184	1·00	47·4048	10·4	...	32·166	-37·776	-2	...	...
...	-44·345	+58·224	-2	45·4494	10·8	...	-38·900	-12·845	-3	...	...	...	-31·997	+33·884	-5	M	...
...	44·324	-26·979	-5	...	...	*	38·856	+21·190	1·15	46·4386	10·0	...	31·865	-4·829	-4	...	...
...	44·200	-54·244	-1	47·4039	10·8	...	38·740	-54·581	-3	...	...	...	31·791	+7·729	-5	M	...
N	44·170	+8·105	-2	...	...	...	38·605	+22·192	-5	M	...	...	31·701	+15·219	-5	M	...
...	44·118	-44·342	-2	...	...	...	38·556	-27·576	-5	...	...	...	31·661	-55·296	-4	...	...
141	N	-44·105	+8·127	-5	...	201	-38·552	+54·300	-1	45·4503	10·8	...	-31·582	-17·336	-4	...	...
...	43·994	+8·751	-5	M	...	...	38·491	+3·659	-4	...	...	...	31·504	-23·864	-5	...	...
...	43·942	+39·227	-4	M	...	...	38·442	-55·362	-1	...	...	...	31·496	-49·696	-5	...	...
*	43·791	-6·221	1·00	46·4379	10·2	...	38·433	-41·875	-2	...	...	...	31·184	+57·631	1·00	45·4512	10·8
...	43·624	-53·650	-4	...	...	...	38·430	-26·529	-4	...	...	...	31·128	-24·448	-1	...	...
...	-43·565	-29·087	-3	...	...	...	-38·421	-57·644	-5	...	...	...	-31·001	-12·362	-4	...	...
...	43·407	-5·407	-4	...	...	...	38·276	-28·360	-3	...	...	...	30·816	-45·362	-5	...	...
...	43·343	-38·771	-2	...	...	...	38·221	-30·137	-4	...	...	...	30·705	+12·169	-5	...	...
...	43·281	+0·275	-5	E	...	*	38·024	+10·296	1·00	46·4387	10·2	...	30·642	-59·387	-5	...	...
...	43·269	-28·598	-3	...	...	...	37·764	+50·661	-2	...	...	†	30·633	+39·782	0·95	46·4396	10·5

139, 141. 46°·62, 47°·61, mass.

Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
271-330																			
271	-30·537	+58·132	-5	° M	...	331	-24·561	-21·586	1·80	47·4077	9·5	391	-16·218	-52·828	-5	...	...
...	30·493	-34·378	-5	...	...	...	24·393	+25·436	-3	...	...	...	16·194	-58·047	-5	...	...
...	30·486	-26·110	0·65	...	...	*	24·306	+57·750	1·00	45·4523	10·4	...	16·136	-3·643	-4	...	...
...	30·432	-45·620	-5	...	...	...	24·188	+54·285	0·90	45·4524	10·5	...	16·133	-58·631	-5	...	...
†	30·283	+37·692	0·65	...	...	...	24·149	-21·581	-5	...	...	*	15·827	-52·263	1·05	47·4097	10·2
†	-30·196	-2·368	-3	...	...	...	-23·837	-1·731	-3	...	...	*	-15·454	+47·132	1·00	46·4413	10·5
...	30·140	+6·462	-5	M	...	...	23·749	+48·813	-3	° M	...	†	15·369	+3·099	-5	...	...
...	30·064	-41·323	-4	...	...	...	23·631	-47·358	0·90	47·4078	10·8	†	15·255	-16·334	-1	47·4098	10·2
...	30·049	-39·826	-3	...	...	...	23·604	-3·934	-3	...	...	†	15·235	-40·025	-5	...	...
...	29·927	+46·197	0·90	46·4397	10·4	*	23·534	-23·348	1·10	47·4080	10·2	S *	15·084	-26·883	1·85	47·4099	8·8		
281	-29·602	+30·944	0·65	...	...	341	-23·497	-51·720	-1	...	...	401	-14·836	-26·133	-5	...	...
...	29·447	+57·950	-4	...	...	*	23·447	-51·616	1·20	47·4079	9·6	...	14·817	+36·494	-5	M	...
...	29·436	-54·072	-2	...	...	...	23·421	-36·751	0·90	47·4081	10·4	...	14·706	-33·342	-5	...	...
...	29·133	+39·033	-5	M	...	...	23·389	-28·140	-3	...	...	...	14·634	+45·622	-5	...	...
*	29·045	-8·834	1·00	47·4065	10·0	...	23·367	+38·546	-2	...	...	...	14·456	+31·148	-4	...	...
...	-28·965	-46·592	-4	...	...	...	-23·035	-8·101	-5	...	...	...	-14·440	-47·698	-3	...	...
...	28·854	+38·881	-5	M	...	...	23·023	-47·451	-2	47·4082	10·8	...	14·407	-0·560	-5	M	...
*	28·719	+48·846	1·00	46·4398	10·2	*	22·968	+23·641	1·10	46·4405	10·2	*	14·362	-50·783	1·50	47·4100	9·4		
...	28·630	-51·955	-3	...	...	...	22·835	-24·424	-4	...	...	...	14·289	+45·417	-3	...	...
...	28·617	-21·484	-2	...	...	...	22·535	-2·471	-4	...	...	...	14·178	+31·956	0·85	...	...
291	-28·598	+39·846	1·00	46·4399	10·0	...	351	-22·458	-49·635	-2	411	-13·946	-55·106	2·10	47·4101	8·0	
...	28·393	-46·921	-1	47·4066	10·8	...	22·330	-20·148	-2	...	...	*	13·841	-12·410	1·15	47·4102	10·0
...	28·302	-47·906	-4	...	...	...	22·048	+15·364	-3	...	...	...	13·759	-51·991	-4	...	...
*	28·121	+13·725	1·20	46·4400	10·0	...	21·834	+47·899	-4	M	...	...	13·672	-43·931	-1	...	...
...	28·098	+30·574	-4	...	...	...	21·561	-39·372	0·80	47·4084	10·8	...	13·506	+14·424	-4	...	...
...	-28·008	-49·258	-2	...	...	...	-21·544	-43·794	-3	...	...	...	-13·321	+30·839	-3	...	...
...	27·944	-56·869	-4	...	...	...	21·402	-9·499	0·75	47·4085	10·6	...	13·021	+30·923	-3	...	...
...	27·664	+47·683	-3	...	...	...	21·275	-57·778	-5	M	...	...	12·838	-34·333	-5	...	...
*	27·297	+55·609	-5	M	...	...	21·163	+29·720	-4	...	...	*	12·823	-57·506	1·30	47·4103	9·6
*	27·066	+42·215	1·00	46·4402	10·0	...	21·101	-27·920	0·90	47·4086	10·8	...	12·813	+3·356	-3	...	...
301	* -27·042	+21·257	1·00	46·4401	10·0	*	361	-21·070	-43·441	1·20	47·4087	10·0	...	421	-12·754	-34·844	1·00	47·4104	10·4
...	26·969	+40·015	-4	M	...	...	20·810	+21·700	-3	...	...	...	12·387	-41·631	-4	...	...
...	26·878	-53·496	-5	...	...	...	20·726	+9·351	-1	46·4406	10·8	...	12·275	-48·217	-3	...	...
...	26·811	+58·435	-3	...	...	*	20·636	+34·946	1·10	46·4408	10·0	...	12·007	-54·246	-3	...	...
...	26·784	-29·327	-4	...	...	...	20·576	-51·385	-5	...	...	...	11·813	+22·554	0·90	...	...
*	-26·764	-44·427	1·10	47·4068	10·2	...	-20·490	+6·527	-1	46·4407	10·8	S *	-11·579	-51·197	2·35	47·4105	8·3		
*	26·558	-24·938	1·50	47·4070	9·5	†	20·328	+27·242	0·90	46·4409	10·2	...	11·370	-24·683	-2	47·4106	10·8		
...	26·512	-11·733	-2	...	...	†	20·288	-57·764	-3	...	...	†	11·349	-40·028	-4	...	...
*	26·492	-53·734	1·00	47·4069	10·5	...	20·054	+27·998	0·95	46·4410	10·4	...	11·339	-56·857	-4	...	...
...	26·448	-48·596	-5	M	...	...	19·691	+54·074	0·80	...	...	...	11·301	+3·437	-5	M	...
311	-26·427	-40·522	-4	*	371	-19·523	-39·231	2·00	47·4091	9·0	...	431	-11·296	-40·373	-5
...	26·422	-56·634	-1	47·4071	10·8	...	19·511	-58·851	1·00	47·4090	10·8	...	11·151	+53·638	1·00	...	...
*	26·421	-15·483	1·20	47·4072	10·2	...	19·325	+52·151	-5	M	...	*	10·938	-37·295	1·05	47·4107	10·2		
*	26·418	+7·670	1·00	46·4403	10·2	...	18·904	-58·754	-5	...	...	...	10·765	-16·127	-4	...	...
...	26·241	-19·924	0·65	47·4073	10·8	...	18·745	+30·366	-3	...	...	...	10·518	-31·447	1·00	47·4108	10·5
...	-25·912	+58·151	-4	M	...	...	-18·640	-37·710	0·65	47·4092	10·8	...	-10·407	-22·594	1·00	47·4109	10·4
...	25·828	-35·662	-3	...	...	*	18·199	-47·329	1·15	47·4093	10·0	†	10·280	-26·708	0·80	47·4111	10·5
...	25·806	-37·769	-2	...	...	S +	18·052	+39·833	4·80	46·4411	7·2	†	10·270	-46·798	-3	...	...
...	25·654	-51·733	-5	...	...	...	18·050	-38·343	0·65	...	...	...	10·209	+16·099	-4	...	...
...	25·632	-25·907	-1	47·4075	10·4	...	17·989	-32·082	-3	...	...	...	10·198	+57·182	0·80	45·4543	10·6
321	* -25·625	+36·450	1·90	46·4404	8·8	...	381	-17·927	+37·507	-5	M	...	441	-10·058	-4·083	-4	
*	25·599	-57·442	1·00	47·4074	10·4	...	17·694	-56·409	-2	...	...	†	9·605	-49·962	-3	...	...
...	25·440	+34·295	-5	M	...	...	17·429	-26·859	1·05	47·4094	10·2	*	9·245	-53·788	1·00	47·4112	10·2
...	25·375	+47·881	-5	M	...	...	16·978	-3·245	-1	46·4412	10·8	...	9·082	-6·821	-5	...	...
...	25·327	-53·077	-2	...	...	...	16·945	-1·433	-5	...	...	...	8·891	-24·888	-2	...	...
...	-25·101	-12·770	-5	...	...	*	-16·826	-22·675	1·05	47·4095	10·0	...	-8·802	-36·717	-1	47·4113	10·8
*	25·033	-11·701	1·20	47·4076	10·2	...	16·783	-44·090	-5	...	...	...	8·797	-11·582	-5	M	...
...	24·806	+42·085	-2	...	...	...	16·593	-50·547	-2	...	...	...	8·751	-42·013	-4	...	...
...	24·725	-57·608	-3	...	...	...	16·502	-26·243	0·90	47·4096	10·5	...	8·707	-41·052	-4	...	...
...	24·600	+14·440	-5	M	...	...	16·225	+11·712	-5	...	...	...	8·704	-20·234	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
451-510																		
45 ¹	- 8·168	- 54·234	o·90	47·4114	10·4	51 ¹	- 0·591	+ 34·214	- 3	o	...	57 ¹	+ 9·544	- 33·579	- 5	o	...	
*	8·114	+ 46·818	1·40	46·4414	9·5	...	0·548	- 57·582	- 5	...	...	10 ⁰ 77	- 39·556	- 2	...	...	...
...	7·757	+ 17·337	- 5	M m	...	...	0·431	+ 28·834	- 2	...	...	10 ⁰ 269	+ 28·277	- 4	m	...	...
...	7·570	+ 15·762	- 5	m	...	...	0·279	- 24·383	- 5	...	...	10 ⁰ 287	- 37·499	- 2	...	...	...
...	7·534	- 43·876	o·90	47·4115	10·4	...	0·163	+ 55·772	- 4	...	...	10 ⁰ 497	- 58·107	- 5	...	...	...
...	- 7·497	+ 16·168	- 4	46·4415	10·8	*	- 0·003	- 33·141	1·00	47·4123	10·2	...	+ 10 ⁰ 527	- 0·163	- 3	46·4433	10·8	
...	7·489	- 9·741	- 5	M	...	...	+ 0·103	+ 55·956	o·95	45·4551	10·8	...	10 ⁰ 537	- 3·369	- 4	...	...
...	7·453	+ 58·369	- 2	...	...	...	0·145	- 29·727	- 5	...	...	10 ⁰ 539	- 56·282	- 3	...	...	...
...	7·349	+ 1·221	- 4	M m	...	...	0·167	+ 43·957	- 5	m	...	10 ⁰ 612	+ 44·404	o·80	...	...	...
*	7·239	- 42·136	o·95	47·4116	10·2	...	0·209	+ 8·169	- 4	M m	...	10 ⁰ 691	- 10·645	- 5	...	...	...
46 ¹	- 7·182	- 3·562	- 3	46·4416	10·8	52 ¹	+ 0·326	- 46·511	o·80	47·4124	10·8	58 ¹	+ 10 ⁰ 809	- 9·104	- 4	...	...
...	7·030	+ 34·708	- 2	...	...	...	0·515	+ 27·544	- 3	...	...	10 ⁰ 810	- 53·085	- 3	...	...	...
*	6·890	+ 18·247	1·00	46·4417	10·0	*	0·536	+ 13·316	1·15	46·4423	10·0	...	10 ⁰ 906	- 3·164	- 2	46·4434	10·8	
...	6·860	+ 55·610	- 4	m	...	*	0·614	- 52·853	1·05	47·4125	10·0	...	10 ⁰ 979	- 0·405	- 3	46·4435	10·8	
...	6·799	+ 41·657	- 2	...	...	...	0·631	+ 5·121	- 5	m	...	11 ⁰ 097	- 37·094	- 2	...	...	...
...	- 6·717	- 54·170	- 5	m	...	...	+ 0·891	- 55·185	- 3	...	...	+ 11 ⁰ 130	- 27·006	- 5	...	...	...
*	6·714	+ 15·746	1·80	46·4418	9·2	...	0·956	- 39·099	- 2	47·4126	10·8	...	11 ⁰ 176	- 27·816	- 4
...	6·596	- 41·813	- 1	47·4117	10·8	...	0·961	- 42·433	- 4	...	...	11 ⁰ 375	+ 51·886	- 4	m	...	...
...	6·582	- 39·676	- 3	*	1·165	- 32·662	1·05	47·4127	10·2	...	11 ⁰ 386	+ 57·814	- 5	m
...	6·507	- 56·028	- 4	1·508	- 22·614	- 1	47·4128	10·6	*	11 ⁰ 419	- 48·015	1·00	47·4137	10·2	...
47 ¹	- 6·109	+ 47·058	- 4	m	53 ¹	+ 1·540	- 22·997	- 5	59 ¹	+ 11·579	- 7·812	- 3
...	5·975	- 59·607	- 4	m	...	...	1·570	+ 10·908	- 4	...	...	11 ⁰ 636	+ 31·727	- 4	...	...	...
...	5·835	+ 43·173	- 3	1·627	+ 3·543	- 2	46·4424	10·8	...	11 ⁰ 647	- 17·294	- 4
...	5·750	- 35·278	- 3	2·013	+ 34·964	- 5	M m	11 ⁰ 835	- 46·799	- 3
...	5·687	- 9·468	- 3	...	...	...	2·085	- 40·975	- 5	...	*	11 ⁰ 852	- 18·037	1·10	47·4138	10·0	...
...	- 5·502	+ 32·931	- 5	M m	+ 2·320	+ 53·388	- 5	M m	...	*	+ 11·876	- 39·674	1·50	47·4139	9·6	...
...	5·388	- 23·832	- 4	...	...	...	2·481	+ 54·959	- 4	...	...	12 ⁰ 112	- 43·337	- 3	...	...	...
...	5·204	- 58·668	- 2	*	2·633	+ 17·041	1·05	46·4425	10·2	S *	12 ⁰ 231	- 11·801	4·90	47·4140	7·4	...
...	5·099	- 34·130	- 4	2·680	+ 29·500	- 3	M	12 ⁰ 434	- 7·125	- 5
...	4·649	- 54·650	- 2	...	...	...	2·732	- 23·330	- 4	...	...	12 ⁰ 651	- 58·692	- 4	...	...	...
48 ¹	- 4·394	- 9·095	- 2	54 ¹	+ 2·821	+ 6·213	- 4	M m	...	60 ¹	+ 12·997	+ 34·058	- 5
*	4·159	- 29·014	1·50	47·4118	9·6	...	2·949	- 43·731	o·95	...	...	13 ⁰ 060	- 47·555	- 1	47·4142	10·8	...
†	4·144	- 35·036	- 5	...	...	...	3·095	- 57·822	- 3	...	...	13 ⁰ 139	- 40·972	- 3	...	...	...
...	4·098	- 4·382	- 1	46·4419	10·4	*	3·176	- 36·191	1·35	47·4129	9·8	...	13 ⁰ 181	- 26·717	- 5
...	4·017	- 39·479	- 3	...	...	...	3·246	- 41·111	- 4	...	...	13 ⁰ 527	- 14·033	- 5	...	...	...
...	- 3·925	- 51·953	- 5	*	+ 3·444	+ 32·218	1·15	46·4426	10·0	...	+ 13·727	+ 11·239	- 2	46·4436	10·8	...
...	3·734	- 28·141	- 3	...	...	...	3·446	- 11·082	- 5	...	...	13 ⁰ 790	- 18·532	- 2	47·4143	10·2	...
...	3·652	- 21·954	- 1	47·4119	10·8	...	3·906	+ 14·675	- 2	46·4427	10·8	...	13 ⁰ 865	+ 17·996	- 1
...	3·513	- 41·536	- 5	...	...	*	4·407	+ 30·990	- 5	m	...	14 ⁰ 053	+ 55·861	- 4	...	...	...
...	3·509	- 54·670	- 4	*	4·804	+ 40·056	1·00	46·4428	10·2	...	14 ⁰ 145	+ 4·430	- 3	46·4437	10·8	...
49 ¹	- 3·489	- 15·456	- 3	55 ¹	+ 5·078	+ 6·372	- 5	M m	...	61 ¹	+ 14·277	- 34·628	- 4
...	3·449	- 43·066	- 2	47·4120	10·8	...	5·260	- 19·507	- 5	...	...	14 ⁰ 447	- 11·082	- 1	47·4144	10·5	...
...	3·139	- 27·493	- 5	*	5·270	+ 0·644	1·05	46·4429	10·2	...	14 ⁰ 538	+ 36·044	- 3
...	2·801	+ 19·338	- 3	*	5·802	- 23·262	1·50	47·4131	9·6	*	14 ⁰ 725	- 6·195	1·20	46·4438	9·8	...
...	2·788	- 11·536	- 5	M	5·874	- 44·845	0·70	47·4132	10·8	...	14 ⁰ 740	+ 13·013	- 3
S*	- 2·670	+ 30·573	3·00	46·4420	8·1	...	+ 5·974	- 58·338	- 3	...	...	+ 14·811	+ 11·306	- 5	m	...	...
...	2·655	+ 53·077	o·90	45·4549	10·8	...	6·435	- 44·040	- 5	...	...	14 ⁰ 827	- 38·648	- 4	...	...	...
...	2·056	- 37·835	- 4	6·463	+ 31·514	o·90	46·4430	10·5	...	14 ⁰ 835	- 38·285	- 1
...	1·885	+ 0·834	- 1	46·4421	10·8	...	6·639	- 26·793	- 3	47·4133	10·8	*	15 ⁰ 015	+ 9·910	- 3	46·4439	10·8	...
...	1·804	+ 55·902	- 1	...	...	...	6·879	+ 39·019	- 3	...	...	15 ⁰ 299	+ 59·538	1·00	45·4575	10·5	...
50 ¹	- 1·717	- 16·524	- 4	56 ¹	+ 7·623	+ 41·518	- 4	M	...	62 ¹	+ 15·354	- 1·213	- 2	46·4440	10·8
...	1·399	+ 26·181	- 5	M m	...	*	8·059	- 27·518	5·00	47·4135	7·4	...	15 ⁰ 547	- 9·378	o·90	47·4145	10·2	...
...	1·285	+ 55·473	- 5	M m	...	*	8·191	+ 24·197	3·20	46·4431	8·0	...	16 ⁰ 026	- 9·409	- 1	47·4146	10·5	...
...	1·242	+ 30·080	- 5	M m	...	...	8·381	- 55·108	- 3	...	...	16 ⁰ 075	+ 9·792	o·85	46·4441	10·5	...
...	1·155	- 28·084	- 5	*	8·519	+ 32·312	2·00	46·4432	8·8	...	16 ⁰ 349	+ 27·429	- 1
...	- 1·145	+ 59·555	- 4	m	...	...	+ 9·025	- 44·074	- 5	...	...	+ 16·456	- 2·034	- 5	...	...	...
...	1·100	- 55·143	o·95	47·4121	10·2	...	9·027	+ 36·854	- 2	...	...	16 ⁰ 552	+ 32·336	- 5	m	...	...
...	1·097	+ 52·665	- 3	9·286	- 18·847	- 5	*	16 ⁰ 583	+ 53·952	1·40	45·4578	9·6	...
...	0·687	- 40·400	o·90	47·4122	10·2	...	9·397	+ 18·293	- 4	...	...	16 ⁰ 614	+ 33·631	- 2	...	...	...
...	0·676	+ 15·335	- 1	46·4422	10·6	...	9·476	- 9·703	- 1	47·4136	10·8	...	16 ⁰ 792	- 22·071	- 3

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
631-690																	
631	+16·822	-36·482	-4	o	...	691	+23·616	-10·468	-1	o	...	751	+30·907	-48·034	o·65	o	...
*	17·100	-29·050	0·95	47·4148	10·2	...	23·845	-16·262	1·00	47·4163	10·6	...	30·912	-25·825	-4	...	...
*	17·123	-49·617	1·00	47·4149	10·2	...	24·061	-17·662	-1	47·4164	10·8	...	30·942	+50·131	-2	46·4458	10·8
...	17·125	+4·760	-1	46·4442	10·5	...	24·079	+50·167	-3	m	...	†	31·007	+49·839	-3	...	...
...	17·167	-14·763	0·65	47·4147	10·8	*	24·177	-44·472	1·05	47·4165	10·2	...	31·032	+49·546	-2	46·4459	10·8
...	+17·377	-54·662	0·90	47·4150	10·4	...	+24·285	-52·475	0·95	47·4166	10·8	...	+31·067	+18·382	-4	m	...
*	17·501	-3·789	4·00	46·4443	7·8	...	24·424	-6·692	-3	...	...	...	31·118	-30·579	-5	...	...
*	17·593	-33·225	1·00	47·4151	10·4	†	24·551	+18·308	-5	...	...	*	31·211	+56·075	2·50	45·4595	8·3
...	17·626	-40·560	-2	...	...	...	24·809	+2·965	-5	m	...	...	31·216	-57·788	-3	...	...
...	17·961	+49·443	-4	...	...	...	24·913	-44·795	-5	...	...	...	31·229	+34·154	o·65	...	...
641	+18·082	+27·716	1·70	46·4444	9·2	701	+24·914	+54·156	-4	...	...	761	+31·665	-43·170	-4	...	...
...	18·199	+42·317	-3	...	...	*	24·936	-49·248	1·30	47·4167	9·4	...	31·702	-18·479	-5	...	...
...	18·336	-43·483	-5	...	...	...	25·006	+18·746	-2	...	...	...	31·726	+21·219	-4	m	...
...	18·344	-22·031	0·80	47·4153	10·8	...	25·091	+31·348	-2	...	...	...	31·964	+9·692	0·70	46·4462	10·8
...	18·415	-20·586	-3	...	...	†	25·180	+24·885	-5	...	...	...	32·052	+39·817	-1	46·4460	10·8
...	+18·662	+21·450	-4	...	...	*	+25·437	+6·818	1·35	46·4449	9·5	*	+32·122	+45·226	0·90	46·4461	10·4
...	18·747	-32·097	-4	...	...	...	25·476	-58·062	-5	...	...	...	32·199	-15·098	-3	...	...
...	18·831	+11·671	-4	...	...	*	25·480	-56·537	1·00	47·4168	10·4	*	32·384	-57·951	0·90	47·4174	10·5
...	18·927	-11·977	0·95	47·4154	10·4	...	25·530	+26·052	-5	...	...	...	32·740	+50·852	-3	...	...
...	18·931	+20·313	-1	...	...	...	25·561	-49·293	-5	...	...	...	32·860	+4·166	-3	...	...
651	+18·937	-27·168	-4	...	...	711	+25·683	-57·257	-5	...	...	771	+32·868	-28·209	0·90	47·4176	7·4
...	19·273	-59·498	-3	...	...	*	25·872	+24·573	1·00	46·4450	10·2	...	33·064	-40·214	-1	...	...
...	19·482	-37·860	-1	47·4155	10·8	...	26·148	+45·393	-3	...	...	...	33·197	-49·534	-5	...	...
*	19·486	+34·277	0·95	46·4445	10·4	...	26·495	+8·360	-4	...	...	S n*	33·271	-28·164	4·00	47·4176	7·4
...	19·775	-37·177	0·90	47·4156	10·8	...	26·841	-53·903	-4	...	...	...	33·314	-48·127	-5	...	...
...	+19·810	+30·138	-5	m	...	...	+26·900	-52·607	-2	...	...	...	+33·710	+6·249	-4	m	...
...	19·874	-16·827	-5	...	...	...	27·064	+31·097	-4	m	...	*	33·715	+48·355	0·95	46·4463	10·4
...	20·118	-44·360	-2	...	...	...	27·143	+22·273	0·90	46·4451	10·5	...	33·804	-27·331	-5	...	...
*	20·161	+18·621	1·25	46·4446	10·0	...	27·309	-47·250	-4	...	...	...	34·116	-54·299	-3	...	...
...	20·199	-46·663	0·90	47·4158	10·8	...	27·329	-5·397	-5	...	...	...	34·299	+52·687	-3	...	...
661	+20·336	-42·854	-5	...	...	721	+27·332	-33·591	-5	...	...	781	+34·441	+16·098	-2	...	...
...	20·420	+50·504	-5	...	...	...	28·040	+26·581	0·85	...	...	...	34·611	+50·228	-5	m	...
*	20·762	-20·278	1·10	47·4159	10·0	...	28·159	+47·263	-2	...	...	...	34·667	-14·353	-2	...	...
...	20·856	+57·099	-4	...	...	...	28·198	-32·404	-5	...	...	...	34·734	-13·873	-5	...	...
...	20·858	-33·337	-2	...	...	...	28·212	-54·795	1·00	47·4169	10·8	...	34·807	-3·876	-4	...	...
...	+21·014	+9·475	1·00	46·4447	10·2	†	+28·426	+39·748	-4	m	...	...	+35·226	-7·800	-2	...	...
...	21·065	-50·250	-4	...	...	*	28·682	-40·684	1·05	47·4170	10·2	...	35·278	-19·509	-4	...	...
...	21·330	-9·555	1·00	47·4160	10·4	...	28·685	+30·933	-5	m	...	...	35·296	-26·991	-1	47·4178	10·8
...	21·375	-45·461	-5	...	...	*	28·754	+23·922	1·05	46·4452	10·2	...	35·375	-24·557	-5	...	...
...	21·647	+25·512	1·00	46·4448	10·5	...	28·766	-21·610	-2	...	...	†	35·389	-34·915	1·30	47·4179	9·5
671	*+21·679	-44·307	1·30	47·4161	9·8	731	+28·877	-40·510	-4	...	...	791	+35·507	+31·510	-4	...	...
...	21·818	-31·804	-3	...	...	...	28·901	+23·523	0·90	46·4453	10·6	...	35·588	-6·973	-3	...	...
...	21·963	-55·941	-1	...	...	...	29·047	-26·272	-2	47·4171	10·8	...	35·642	+10·519	-4	m	...
...	22·004	+54·318	-4	m	...	...	29·072	+52·289	0·90	...	...	...	35·689	+30·725	-1	...	...
†	22·014	-34·913	-5	...	...	S *	29·074	+8·607	1·90	46·4454	9·0	...	35·700	-48·347	-2	...	...
...	+22·035	+29·355	0·80	...	...	...	+29·153	-53·279	0·65	...	...	...	+35·793	+31·867	-4	m	...
...	22·047	-42·793	-3	...	...	...	29·154	+50·981	-2	...	...	...	36·075	-33·236	-3	...	...
...	22·071	-24·368	0·65	...	...	...	29·215	+33·765	-1	...	...	*	36·143	-25·066	0·95	47·4181	10·4
...	22·104	+32·808	0·75	...	...	...	29·285	-38·909	-3	...	...	...	36·151	+49·541	-2	...	...
...	22·166	+38·218	-5	m	...	...	29·308	-54·421	0·70	...	...	...	36·174	+16·937	-4	m	...
681	+22·278	-12·449	-5	...	...	741	+29·493	+7·056	-3	...	...	801	+36·302	-37·228	-5	...	...
...	22·450	-8·359	-3	...	...	†	29·612	-56·345	1·00	47·4172	10·5	...	36·339	-38·062	-4	...	...
...	22·536	+21·758	-5	m	...	...	30·281	-3·734	-2	46·4457	10·6	*	36·429	-26·072	1·00	47·4182	10·2
...	22·768	+44·283	0·80	...	...	n*	30·423	+43·804	1·00	46·4455	9·8	...	36·443	-12·344	0·80	47·4180	10·6
...	22·873	-48·807	-2	...	...	...	30·463	-23·992	-2	...	...	...	36·877	-6·912	-3	47·4184	10·8
...	+23·047	+30·166	-5	m	...	n*	+30·542	+43·731	0·90	46·4455	9·8	...	+36·952	-44·851	-2	...	...
...	23·180	-12·981	-5	...	...	...	30·551	+4·684	-4	m	...	*	37·300	+42·689	1·80	46·4464	9·2
...	23·453	-52·621	0·95	47·4162	10·6	...	30·614	+37·409	-4	m	...	...	37·305	-56·167	-4	...	...
...	23·474	-54·803	-5	...	...	...	30·631	+18·926	-2	...	...	*	37·343	-11·255	1·00	47·4183	10·2
...	23·504	+59·683	-3	m	...	...	30·682	+48·459	-2	46·4456	10·8	...	37·470	-50·875	0·80	47·4184	10·8

744, 746. C.P.D., mass.

771, 774. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
811-870																	
811	+37·577	-32·521	-1	.	...	871	* +45·139	+51·849	1·50	46·4479	9·6	931	+51·696	-16·444	-3	.	...
...	37·612	+26·318	-3	...	...	...	45·353	-9·029	1·10	47·4194	10·0	...	51·720	+41·431	2·80	46·4485	8·2
...	37·689	-44·322	-4	...	...	...	45·587	+38·387	-4	...	...	...	51·834	-7·090	0·80	...	...
...	37·764	+23·409	0·85	46·4465	10·8	...	45·588	+31·353	1·50	46·4480	9·6	...	51·959	-14·909	-2	...	...
...	37·871	-33·911	-4	...	...	...	45·715	-35·912	0·70	...	...	...	52·287	-26·229	-2	...	...
*	+38·188	-11·497	0·75	47·4185	10·8	...	+45·826	-57·241	-5	...	...	...	+52·376	-27·822	-4	...	...
*	38·239	+40·074	1·00	46·4466	10·2	†	45·885	+9·957	1·00	46·4481	10·2	...	52·432	+8·709	-1	...	...
...	38·257	+58·583	-2	...	...	...	46·011	+4·257	-3	...	...	...	52·432	-13·825	-2	...	...
*	38·284	-0·978	1·20	46·4467	10·2	...	46·106	+27·774	-5	e	...	...	52·491	+3·365	-2	...	...
...	38·298	-17·139	-2	...	...	...	46·241	+1·920	0·70	...	...	...	52·989	+17·719	-3	...	...
821	+38·300	+52·319	-3	...	...	881	+46·464	-52·699	0·75	...	...	941	+53·004	+8·066	-2	...	...
...	38·410	+5·475	-3	...	...	...	46·497	-26·088	-5	...	...	...	53·051	+35·440	-4	e	...
...	38·544	-26·062	-5	...	...	...	46·543	+17·432	-3	...	...	...	53·138	+24·911	-2	...	...
...	38·563	+10·456	0·90	46·4468	10·5	...	46·694	-41·976	-4	...	...	...	53·170	+19·164	-1	46·4487	10·8
...	38·721	+46·422	-2	...	...	...	46·872	+35·059	1·00	46·4482	10·8	...	53·592	-11·493	-5	...	...
...	+38·847	+52·330	-5	m	...	...	+46·909	-2·267	0·65	...	...	...	+53·754	+44·161	-3	...	...
...	38·881	-29·471	-4	...	...	...	47·048	-6·654	-5	...	...	...	54·151	+24·089	-1	46·4488	10·8
*	39·388	-50·500	1·00	47·4186	10·4	...	47·126	-33·633	-3	...	...	...	54·168	-19·682	-2	...	...
...	39·441	-46·511	-2	...	...	†	47·214	-29·938	-5	...	...	...	54·287	-47·496	-3	...	...
†	39·477	+34·808	0·90	46·4469	10·5	...	47·378	+24·915	-5	e	...	...	54·343	-14·749	0·90	47·4206	10·6
831	+39·497	-11·813	-3	...	...	891	+47·538	+16·053	-5	e	...	951	+54·382	-50·291	2·00	47·4207	9·2
†	39·537	-28·346	0·80	...	...	†	47·545	+5·001	-4	...	...	...	54·504	-38·605	-4	...	...
†	39·580	+40·776	-3	...	...	*	47·905	-49·378	1·05	47·4198	10·4	†	54·656	+39·820	-3	...	...
†	39·597	-48·540	-5	...	...	...	47·959	+54·994	1·00	45·4613	10·5	...	54·670	+12·655	-3	...	...
†	39·740	-0·102	1·00	46·4471	10·2	...	47·968	-50·666	1·00	47·4199	10·8	*	54·761	+24·124	1·80	46·4490	9·4
...	+39·877	+25·808	1·00	46·4470	10·4	...	+48·065	+29·572	-1	...	...	...	+54·763	+45·857	0·90	46·4489	10·6
...	39·987	+11·768	0·75	...	...	...	48·206	+58·237	1·00	45·4614	10·4	...	54·820	+57·822	-2	45·4622	10·8
...	40·430	+1·645	-2	...	...	...	48·259	-21·061	1·00	47·4197	10·4	...	54·963	-44·723	0·90	47·4208	10·4
...	40·807	-8·428	0·90	...	...	...	48·284	-46·852	0·95	...	...	...	55·084	-36·349	-2	...	...
...	41·113	-40·791	-2	...	...	...	48·464	-47·075	-5	...	...	...	55·109	+26·009	-5	e	...
841	+41·139	+41·490	-5	m	...	901	+48·508	-16·273	-2	...	...	961	+55·175	+21·851	1·80	46·4492	9·4
†	41·369	-49·859	1·35	47·4189	9·5	...	48·582	+19·228	0·70	...	...	...	55·185	+0·540	1·00	46·4493	10·0
...	41·444	+25·243	0·90	46·4472	10·8	...	48·668	-39·796	-5	...	...	...	55·319	-59·542	-5	...	...
*	41·474	-8·008	1·20	47·4187	10·0	†	48·867	+29·838	1·00	...	...	...	55·421	+45·796	1·00	46·4491	10·2
...	41·600	-41·877	-4	...	...	...	48·945	-47·537	0·90	...	...	...	55·545	-31·094	1·00	47·4209	10·0
...	+41·782	-8·630	1·00	47·4188	10·6	...	+49·016	-36·239	1·00	47·4200	10·6	...	+55·558	-22·081	-5	...	...
...	41·803	-40·330	-4	...	...	...	49·069	+17·538	-3	...	...	...	56·110	-6·472	-3	...	...
...	41·982	+26·237	-5	...	...	...	49·090	+12·544	0·95	46·4483	10·8	*	56·163	+13·128	1·00	46·4494	10·4
...	42·139	+48·989	1·05	46·4473	10·2	S*	49·159	-31·735	1·70	47·4201	9·4	†	56·230	-20·015	-1	47·4210	10·8
...	42·251	-19·628	-3	...	...	...	49·177	-44·402	-4	...	...	...	56·489	-44·096	0·90	47·4211	10·4
851	+42·354	-4·725	1·00	46·4475	10·6	...	+49·240	-24·549	0·95	47·4202	10·8	...	+56·507	-6·885	-5	...	...
...	42·371	+47·684	0·90	46·4474	10·8	†	49·510	+54·919	-1	45·4615	10·6	S*	56·586	+10·965	2·00	46·4495	8·6
...	42·628	+36·436	0·70	...	...	†	49·585	+24·914	1·00	46·4484	10·2	...	56·627	-39·021	-4	...	...
*	42·684	-6·347	1·40	46·4476	9·4	...	49·628	+0·458	-3	...	...	...	57·173	-2·808	-3	...	...
...	42·956	-3·440	-2	...	...	...	49·861	+21·136	-5	e	...	...	57·245	+55·102	-3	45·4626	10·8
...	+43·224	-56·111	-4	...	...	...	+49·888	-30·524	-5	...	...	...	+57·296	-7·773	-4	...	...
...	43·318	-31·510	-1	...	...	*	49·920	-51·077	1·00	47·4203	10·2	...	57·337	-18·048	-5	...	...
...	43·449	-47·779	0·90	...	...	...	50·002	+26·739	-2	...	...	...	57·361	-5·335	-5	...	...
N*	[43·525	+49·081	1·80	46·4477	9·3	...	50·064	-15·826	-1	...	...	*	57·577	-8·835	1·00	47·4212	10·2
...	43·649	-8·251	-2	...	...	...	50·425	-43·049	-2	...	...	...	57·799	+10·447	-4	e	...
861	+43·665	-47·226	0·95	...	...	921	+50·549	-59·267	-3	...	...	981	+57·828	-26·899	1·00	47·4213	10·4
...	43·896	+41·956	-5	...	...	...	50·884	-23·651	-5	...	...	...	57·889	-7·541	-3	...	...
...	43·955	-38·855	0·95	47·4190	10·8	...	50·932	-39·574	-4	...	...	...	57·996	+13·674	-3	...	...
...	44·129	-33·134	1·00	47·4192	10·4	...	50·955	-36·870	-5	...	...	...	58·009	-2·599	-4	...	...
...	44·337	-27·443	-4	...	...	...	51·068	-22·968	0·90	47·4204	10·5	...	58·012	+54·070	-3	...	...
S†	+44·434	+48·799	3·00	46·4478	7·9	...	+51·136	-20·812	-1	...	...	...	+58·067	-4·873	-3	...	...
...	44·610	-22·163	1·00	47·4193	10·4	*	51·150	+4·601	0·95	46·4486	10·5	...	58·082	+30·805	0·80	...	...
...	44·764	-16·923	-5	...	...	...	51·171	-39·675	-4	...	...	...	58·198	-29·521	-5	...	...
*	44·908	-45·278	1·35	47·4195	9·6	...	51·244	-27·442	-4	...	...	...	58·324	+0·420	-4	e	...
†	44·982	-25·016	-2	...	...	...	51·508	-13·758	0·85	47·4205	10·6	...	58·396	-36·184	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0.65	No.	Mag.		x.	y.	...	No.	Mag.		x.	y.	...	No.	Mag.
991-999																	
991	+58°414	-53°190	-4	°	...	...									
...	58°595	-37°833	1°00	47.4214	10·2												
*	58°689	-41°623	1°70	47.4216	9·5												
...	58°692	+56°550	-4	...	...										
*	58°799	-31°662	1°20	47.4215	9·8												
...	+58°865	+31°354	-1	...	...										
...	59°094	-2°174	-2	...	...										
*	59°299	-56°988	1°40	47.4217	9·9												
...	59°310	+44°416	0°95	46.4496	10·5												

1-40					41-80					81-120							
1	-59°909	-41°097	-4	°	...	...	-55°967	+58°133	-1	45.4614	10·4	81	-52°159	-31°786	1·80	47.4201	9·4
†	59°882	+5°203	-5	M	...	*	55°958	-45°463	1°50	47.4195	9·6	*	52°152	-36°297	1·00	47.4200	10·6
+	59°830	-5°015	1°00	46.4475	10·6	†	55°750	+24°786	-5	E	...	*	51°931	+41°433	2·80	46.4485	8·2
S *	59°463	-19°902	-4	...	...	...	55°462	-36°090	-4	...	...	...	51°853	-47°600	-2	...	...
*	59°443	+48°562	3°00	46.4478	7·9	...	55°427	+24°355	-5	M	...	...	-51°762	-15°862	0·90	...	...
...	-59°440	-6°603	1°30	46.4476	9·4	...	-55°412	-12°576	-5	...	...	...	51°745	-44°451	-5	...	...
...	59°405	-42°178	-5	...	...	...	55°340	-2°397	0°90	...	...	...	51°462	-30°552	-5	...	...
*	59°377	-50°152	2·60	47.4189	9·5	...	55°298	+15°924	-4	E	...	*	51°320	+4°602	1·00	46.4486	10·5
...	59°270	-4°894	-5	...	...	...	55°203	+29°469	-3	...	...	...	51°256	-0·613	-5	M	...
...	59°268	-3°707	-2	...	...	...	55°153	+17°908	-5	M	...	...	50°921	-36°597	-5	...	...
II	-59°230	+4°367	-5	M	...	51	-55°059	-6°792	-4	...	...	91	-50°773	-51°118	1·30	47.4203	10·2
*	58°849	+51°642	1°50	46.4479	9·6	†	54°994	-26°225	-5	...	...	*	50°694	-23°661	-5	...	...
...	58°419	-8°485	0·80	...	...	†	54°942	+4°879	-4	...	...	...	50°529	-43°074	-3	...	...
...	58°009	-31°748	-2	...	...	...	54°584	+54°839	-1	45.4615	10·6	...	50°523	-20°804	0·90	...	...
...	57°981	+38°211	-5	...	...	...	54°542	-4°543	-5	...	...	*	50°520	-22°969	1·00	47.4204	10·5
*	-57°731	+31°178	1°30	46.4480	9·6	†	-54°415	+29°753	-1	...	...	...	-50°411	+35°487	-4	E	...
...	57°687	+2°285	-5	M	...	...	54°366	+19°143	0·70	...	...	*	50°385	-13°742	1·00	47.4205	10·6
...	57°351	-48°015	-3	...	...	...	54°343	-13°698	-4	...	...	...	50°372	+9°584	-5	M	...
...	57°328	-56°348	-5	...	...	...	54°309	-42°103	-5	...	...	...	50°275	-7°067	0·90	...	...
...	57°145	-47°447	-3	...	...	...	54°185	-52°839	-5	...	...	...	50°253	+10°222	-5	M	...
2I	-57°142	+36°618	-5	M	...	61	-54°147	-30°062	-5	...	...	101	-50°220	-27°424	-5	...	...
*	57°126	-33°339	1°00	47.4192	10·4	...	54°133	-33°751	-2	...	...	...	50°182	-36°866	-5	...	...
...	57°125	-27°652	-5	...	...	...	53°829	+17°468	-4	...	...	...	50°172	+8°749	0·90	...	...
...	57°123	-39°078	-1	47.4190	10·8	...	53°631	+12°490	0·95	46.4483	10·8	...	50°140	-39°560	-4	...	...
...	57°106	+27°609	-5	E	...	*	53°549	+24°838	1·10	46.4484	10·2	...	50°135	-16°419	-2	...	...
...	-57°102	-14°223	-4	...	...	*	-53°395	-21°143	1·00	47.4197	10·4	...	-50°086	-21°887	-5	...	...
...	57°059	-4°948	-5	...	...	...	53°300	-16°351	0·85	...	...	*	50°006	+24°953	-1	...	...
...	57°032	-17°126	-5	...	...	...	53°257	-20°948	-5	...	...	...	49°987	+44°218	-4	...	...
*	56°993	-22°354	1°00	47.4193	10·4	...	53°190	+26°685	-1	...	...	...	49°951	+3°405	0·90	...	...
...	56°894	+17°988	-5	M	...	...	53°137	+21°090	-5	E	...	...	49°918	+17°774	-4	...	...
3I	-56°761	+9°781	1·10	46.4481	10·2	...	-52°912	-10°139	-5	...	...	III	-49°902	-59°260	-5	...	...
*	56°696	-9°209	1·05	47.4194	10·0	...	52°892	+0°240	-5	M	...	...	49°898	+6·452	-5	M	...
...	56°663	+10°729	-5	M	...	*	52°847	-49°479	1·10	47.4198	10·4	†	49°896	-14°880	-3	...	...
...	56°580	+34°915	1·00	46.4482	10·8	...	52°742	-50°762	-1	47.4199	10·8	...	49°893	-39°658	-5	...	...
†	56°533	-25°192	-2	...	...	...	52°709	+0°411	0·70	...	...	...	49°778	+19°224	-1	46.4487	10·8
...	-56°453	+4°097	0·70	...	...	...	-52°565	-46°944	-3	...	...	...	-49°588	+8°125	-4	...	...
...	56°448	+1°798	-4	M	...	...	52°457	-14°562	-5	...	...	...	49°568	-10°991	-5	...	...
...	56°340	+17°282	-2	...	...	...	52°406	-39°868	-4	...	...	...	49°477	-13°785	-3	...	...
...	56°160	+1°767	0·65	...	...	...	52°370	-47°152	-5	...	...	...	49°364	+57°920	-4	45.4622	10·8
...	56°122	+54°869	-1	45.4613	10·5	...	52°302	-24°606	0·90	47.4202	10·8	...	49°211	-26°184	-2	...	...

L measured from 1, 235, 464, 697, 932, 1156.
 C " " 110, 346, 589, 833, 1028, 1265.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
121-180																	
121	-49·068	-27·783	-5	o	...	181	-44·182	+13·601	-5	o M	...	241	-39·211	-5·055	-5	o M	...
...	49·041	+45·956	0·90	46·4489	10·6	...	44·144	-29·526	-5	...	...	*	39·065	+37·839	1·00	46·4501	10·4
...	49·018	-26·022	-5	...	...	...	44·127	+42·038	-5	M	...	...	38·831	+21·379	-5	M	...
...	48·948	+24·177	0·70	46·4488	10·8	...	44·120	-4·647	-4	...	...	...	38·764	-41·335	-5	...	...
...	48·938	+39·909	-4	...	...	...	44·040	+0·649	-5	E	...	...	38·746	-0·747	-4	...	...
...	-48·600	-6·712	-5	M	...	*	-43·642	-26·666	1·00	47·4213	10·4	*	-38·678	+2·740	0·90	46·4502	10·8
...	48·385	-11·408	-4	...	...	...	43·621	-3·434	-5	M	...	...	38·496	-7·025	-4	...	...
*	48·382	+45·904	1·10	46·4491	10·2	...	43·563	-44·777	-5	...	...	...	38·356	+32·177	-5	M	...
*	48·341	+24·235	1·40	46·4490	9·4	...	43·556	-1·438	-5	...	...	...	38·032	+5·023	-5	M	...
...	48·089	-6·019	-4	M	...	...	43·276	+52·567	-5	M	...	...	37·961	+16·022	-4	M	...
131	-48·082	+12·762	-3	...	...	191	-43·207	+38·034	-2	...	...	251	-37·925	-38·701	0·80	...	...
...	48·066	+26·126	-5	E	...	...	43·196	-29·283	-4	...	...	...	37·826	-41·833	-5	...	...
...	47·914	-24·521	-5	M	...	...	43·182	-1·924	-2	...	...	...	37·707	+45·966	-4	M	...
*	47·851	+21·969	1·40	46·4492	9·4	...	43·049	+39·112	-2	...	...	...	37·690	+27·586	-5	M	...
...	47·541	-19·579	-3	...	...	...	43·024	-33·070	-5	...	...	...	37·637	+16·845	-5	M	...
...	-47·525	-14·641	0·90	47·4206	10·6	...	-42·838	-4·760	-5	...	...	...	-37·635	-10·997	-5	...	...
...	47·319	-3·067	-5	...	...	...	42·789	-35·933	-2	...	...	...	37·633	+52·489	-5	M	...
...	47·305	+12·076	-5	M	...	...	42·759	-27·264	-5	...	...	...	37·600	+3·814	-2	B	...
...	47·278	-11·996	-5	...	...	...	42·707	+22·094	0·85	...	...	...	37·577	-24·701	-4	...	...
*	47·172	+0·671	1·00	46·4493	10·0	...	42·680	-4·548	-4	...	...	...	37·391	-6·139	0·70	...	...
141	-47·106	-27·833	-5	...	...	201	-42·611	+16·469	-5	M	...	261	-37·285	+30·381	1·50	46·4503	9·4
...	47·003	+11·974	-5	M	...	*	42·536	-37·572	1·05	47·4214	10·2	...	37·157	-2·137	-5	M	...
...	46·986	+11·019	-5	M	...	*	42·525	-31·400	1·15	47·4215	9·8	...	37·118	+44·787	1·00	46·4505	10·8
...	46·874	+0·516	-5	M	...	...	42·381	-44·274	-5	...	...	*	37·088	+17·374	0·95	46·4504	10·8
...	46·857	+55·275	-4	45·4626	10·8	...	42·326	-11·027	-4	...	...	...	36·995	-6·020	-5	M	...
...	-46·837	+22·661	-5	...	...	*	-42·307	-41·352	1·30	47·4216	9·5	...	-36·926	-41·998	-3	...	...
*	46·595	+13·274	1·00	46·4494	10·4	...	42·213	-52·951	-5	...	...	...	36·844	-41·426	-5	...	...
...	46·586	-38·495	-4	...	...	...	41·986	-33·914	-5	...	...	...	36·818	-33·569	-5	...	...
...	46·523	-47·377	-5	...	...	...	41·949	-22·779	-5	...	...	...	36·700	+49·964	0·80	46·4507	10·8
*	46·332	-50·185	1·40	47·4207	9·2	...	41·850	-21·831	0·70	...	...	...	36·579	+21·283	-2	...	...
151	-46·330	-36·080	-5	...	...	211	-41·764	-28·213	-5	...	...	271	-36·523	-49·121	-5	...	...
...	46·215	+2·973	-5	M	...	...	41·655	-32·528	-3	...	...	...	36·426	+35·862	-5	M	...
S *	46·091	+11·132	2·00	46·4495	8·6	...	41·476	+51·993	0·65	46·4497	10·8	...	36·387	-23·435	0·80	...	...
...	46·083	-36·209	-3	...	...	...	41·330	+22·871	-5	M	...	...	36·292	-2·085	1·00	46·4506	10·2
...	46·075	-21·925	-5	...	...	...	41·263	-43·202	-5	...	...	...	36·157	-49·407	1·00	47·4219	10·6
...	-46·060	+54·265	-4	...	...	...	-41·221	-12·171	0·70	47·4218	10·8	...	-36·023	-7·487	0·95	46·4508	10·8
...	46·058	+16·580	-5	M	...	*	41·209	-56·703	1·30	47·4217	9·9	*	36·022	+54·130	1·20	45·4637	10·2
...	46·013	-6·317	-3	...	...	...	41·078	-26·588	-4	...	...	...	35·961	+14·852	-2	...	...
...	45·937	-44·366	-5	...	...	...	41·039	+14·213	-5	M	...	...	35·918	+6·753	-5	M	...
...	45·917	-44·588	0·85	47·4208	10·4	...	40·987	+25·536	-3	...	...	...	35·835	-30·915	0·85	...	...
161	* -45·778	-30·928	1·05	47·4209	10·0	...	-40·873	-33·827	-2	...	...	281	-35·586	+10·472	0·80	...	...
...	45·465	-19·842	0·65	47·4210	10·8	...	40·837	-21·972	-5	M	...	*	35·385	+20·005	1·00	46·4509	10·4
...	45·453	+56·757	-3	...	...	...	40·713	-42·938	-5	...	...	...	35·345	+24·285	0·90	...	...
...	45·234	+31·014	0·65	...	...	...	40·620	-5·559	-5	...	...	...	35·231	+35·631	-5	M	...
...	45·081	-14·412	-5	...	...	...	40·518	-28·569	-5	...	...	...	35·219	+7·954	-5	M	...
...	-45·074	-2·622	-4	...	...	*	-40·384	+15·194	1·00	46·4498	10·6	...	-35·217	+11·990	-4	M	...
...	45·060	+32·353	-5	M	...	...	40·357	-52·142	-5	...	...	...	35·210	-8·060	-5	...	...
...	44·876	+10·663	-4	E	...	...	40·307	-53·725	-4	...	...	...	35·163	-58·282	-5	...	...
...	44·798	-7·582	-4	...	...	...	40·233	-20·902	-5	...	...	...	35·070	-57·180	1·00	...	...
...	44·794	-5·145	-5	...	...	...	40·178	+24·030	-4	M	...	...	35·068	-22·015	-5	...	...
171	-44·784	+13·889	-3	...	...	231	-40·170	+55·326	-5	M	...	291	-34·921	+8·285	-5	M	...
...	44·481	+31·585	0·70	...	...	...	40·090	+6·927	-3	...	...	*	34·703	+13·230	1·10	46·4510	10·4
...	44·466	-38·834	-5	...	...	†	40·085	+44·692	-2	...	...	*	34·675	+29·660	1·00	46·4511	10·5
*	44·464	-8·624	1·00	47·4212	10·2	...	40·027	-12·115	-5	...	...	...	34·434	-18·200	-4	...	...
†	44·453	+44·659	0·70	46·4496	10·5	†	39·947	+46·206	-4	...	...	...	34·415	+43·466	-3	...	...
*	-44·433	-43·901	1·10	47·4211	10·4	†	-39·943	+57·753	1·00	45·4630	10·4	...	-34·374	-37·945	-4	...	...
...	44·421	-17·840	-5	...	...	+	39·873	+18·929	1·00	46·4499	10·0	...	34·339	-5·695	-5	...	...
...	44·385	+22·712	-5	M	...	...	39·734	+49·016	-5	M	...	...	34·297	+12·817	0·85	...	...
...	44·248	-2·396	-3	...	...	†	39·475	+49·647	1·00	46·4500	10·4	*	34·250	-10·572	1·00	47·4220	10·6
...	44·210	-7·319	-3	...	...	...	39·398	-1·289	-5	M	...	...	34·202	-22·443	0·90	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
301-360																		
301	-34°139	-29°647	0·95	47.4221	10·6	361	-28°572	-34°552	-2	0	...	421	-24°074	-21°672	-3	0	...	
...	34°110	+29°067	-5	M	...	...	28°538	+26°953	-5	M	...	...	23°950	-3°802	1·00	46.4525	10·8
...	34°012	+19°166	-5	M	...	*	28°457	+23°321	1·00	46.4520	10·4	...	23°892	+23°765	1·20	46.4526	10·0	
...	33°943	-28°004	-5	...	...	...	28°449	-36°887	-1	...	...	...	23°880	+8°745	-3	...	...
n*	33°931	-26°410	0·95	47.4222	10·4	*	28°403	-42°915	1·05	47.4230	10·2	...	23°877	+51°104	-3	...	...
...	-33°847	+25°289	-5	M	...	...	-28°352	+24°031	-5	M	...	...	-23°752	-7°649	-5	M	...
*	33°669	-9°241	1·00	47.4223	10·4	...	28°289	+0°550	-5	M	...	...	23°698	+16°952	1·20	46.4527	9·8
n*	33°664	-26°433	1·00	47.4222	10·4	...	28°222	-8°517	-5	...	...	...	23°631	+29°857	1·05	46.4528	9·6
...	33°456	+36°743	-5	M	...	...	28°155	+5°388	-5	M	...	...	23°608	+5°366	-5	M	...
...	33°305	-25°940	0·80	...	...	*	28°144	-34°771	2·00	47.4231	8·8	*	23°601	-21°759	1·00	47.4240	10·4
311	-33°246	-15°975	-5	M	...	371	-28°101	+20°463	1·00	46.4521	10·8	...	431	-23°523	-22°307	-5	M	...
...	33°221	-41°285	-5	...	...	*	28°098	-11°139	1·00	47.4232	10·2	...	23°239	+0°659	-5	M	...
...	33°105	-3°844	0·70	...	...	...	28°086	+58°100	0·65	45.4645	10·8	...	23°176	-21°817	-5	M	...
...	33°051	-25°369	0·65	...	...	...	28°029	-16°080	-4	...	...	...	23°126	-22°835	-5	...	...
*	32°983	+26°480	1·20	46.4512	9·6	...	27°999	+14°104	-3	...	...	...	22°903	+42°122	-5	...	...
...	-32°822	-44°628	-3	...	...	...	-27°911	+5°484	-4	M	...	...	-22°717	-16°582	-3	...	...
...	32°808	+13°463	-2	M	...	...	27°900	-6°730	-5	M	...	...	22°705	-25°563	0·90	47.4241	10·5
†	32°799	-10°144	-5	...	...	...	27°838	+25°469	0·85	46.4522	10·8	...	22°670	-25°430	-4	...	...
...	32°774	-37°973	0·90	...	...	n	27°772	-26°156	0·70	47.4234	10·6	...	22°073	-42°324	-4	...	...
...	32°677	+18°495	-5	M	...	...	27°712	-2°908	-4	...	...	...	22°003	+15°409	-5	M	...
321	-32°594	+31°862	0·90	381	-27°654	+16°324	-3	441	-21°949	+30°477	0·65
*	32°549	+15°542	1·00	46.4513	10·8	...	27°623	-7°012	-5	...	...	...	21°854	-29°556	-5	...	...
...	32°407	+44°231	-5	...	...	n	27°613	-26°350	-2	47.4234	10·6	...	21°677	-25°011	-4	...	...
...	32°391	-32°256	-5	...	...	...	27°470	+7°203	-5	M	...	...	21°540	+27°774	-5	M	...
*	32°383	-28°801	1·10	47.4225	9·9	...	27°456	+29°362	-5	M	...	...	21°478	-30°033	-5	...	...
...	-32°313	+13°249	-5	M	...	...	-27°428	+3°047	-5	M	...	...	-21°459	-21°344	-5	...	...
*	32°295	-41°039	1·00	47.4224	10·8	*	27°414	-38°249	1·35	47.4235	9·4	*	21°426	+2°502	1·00	46.4529	10·4	
*	32°199	+13°338	1·00	46.4514	10·4	...	27°399	+57°165	0·80	45.4649	10·8	...	21°188	-32°332	-4	...	...
...	32°097	-27°894	-5	...	...	...	27°335	+31°841	0·70	...	...	...	21°172	+22°746	-5	M	...
...	31°860	-5°085	0·75	46.4515	10·8	...	27°312	-27°030	-4	...	...	...	21°034	-10°832	-2	...	...
331	-31°846	+34°510	0·85	391	-27°204	+3°424	-5	M	451	-20°998	+2°773	-3	M	...
...	31°708	+27°720	0·95	...	...	...	27°185	+4°830	-5	M	...	...	20°997	+43°378	-3	...	...
*	31°661	+44°101	1·05	46.4516	10·0	...	27°177	-17°997	-3	...	...	...	20°849	+48°025	1·40	46.4531	9·0
†	31°361	+39°638	-5	M	...	...	27°168	+21°998	-5	M	...	...	20°818	+36°308	1·30	46.4530	9·3
...	31°054	+18°869	0·90	...	...	...	27°091	-46°729	-4	...	...	...	20°741	-23°757	1·00	47.4242	10·4
...	31°048	+10°357	0·80	...	...	...	26°913	-46°223	-4	...	...	...	20°725	-40°246	-5	...	...
*	31°011	+30°538	1·10	46.4517	10·0	...	26°879	-44°525	-4	...	...	...	20°563	+26°962	-5	M	...
...	30°889	-14°484	0·90	47.4227	10·8	...	26°735	+8°057	-5	M	...	...	20°504	+3°755	1·00	46.4532	10·5
...	30°745	-22°000	-5	...	...	...	26°593	-22°279	-5	...	...	...	20°443	+39°730	1·30	46.4533	9·4
...	30°673	-17°897	-4	...	...	...	26°436	-22°551	-3	...	...	...	20°379	+0°707	-4	M	...
341	-30°553	-6°786	-3	401	-26°209	+14°418	-4	M	461	-20°370	+28°291	-5	M	...
...	30°412	+11°820	-5	M	...	...	26°176	+41°094	-4	...	...	...	20°318	+19°868	-5	M	...
...	30°374	+13°425	-5	M	...	...	26°136	-41°447	-5	...	...	...	20°038	+15°912	-3	...	...
...	30°269	-34°241	-5	...	...	...	26°030	-0°981	-5	...	...	...	19°762	+6°239	2·00	46.4534	8·5
...	30°191	-22°541	0·80	...	...	†	25°981	+4°786	-4	M	...	...	19°661	+6°283	1·00	46.4534	8·5
*	-29°912	-26°121	-1	47.4228	10·8	...	-25°951	-0°566	-4	...	...	...	-19°595	+40°302	-4	M	...
*	29°905	-31°059	1·00	47.4229	10·2	...	25°819	+9°833	-4	M	...	...	19°594	-12°526	0·95	47.4243	10·8
...	29°797	-30°381	-5	...	...	...	25°779	+51°200	-2	...	...	...	19°585	+37°655	1·00	46.4535	10·8
...	29°609	+6°041	0·90	...	...	...	25°524	+6°565	-5	M	...	...	19°325	-8°543	-2	...	...
...	29°301	-27°483	-3	...	...	...	25°506	+7°713	-5	M	...	...	19°323	+10°472	-4	M	...
351	-29°122	+28°961	-5	M	...	411	-25°375	-5°962	-4	471	-19°320	-25°065	-3
...	29°121	-43°578	-4	...	...	...	25°133	+11°628	-4	M	...	...	19°319	-31°427	-1	...	...
*	28°914	-4°292	1·05	46.4518	10·4	†	25°074	+38°398	-3	...	...	...	19°290	-46°414	-5	...	...
...	28°762	-36°151	0·65	...	...	...	24°884	-28°942	0·65	...	...	...	19°266	-13°299	-5	...	...
...	28°757	-38°771	-5	...	...	...	24°625	-19°829	-4	...	...	...	19°177	+3°856	0·80	...	...
...	-28°701	-34°308	-5	...	...	S *	-24°607	-9°037	4·00	47.4238	7·1	...	-19°144	-24°086	-2	...	...
...	28°679	-35°277	-5	M	...	*	24°259	-3°140	1·00	46.4523	10·6	...	19°084	+14°280	-4	M	...	
*	28°673	+50°974	1·10	46.4519	10·0	...	24°159	-49°604	-5	...	...	...	19°071	+57°425	1·10	45.4664	9·6
...	28°623	-30°818	-5	...	...	...	24°140	-38°932	0·80	...	...	...	18°933	-31°814	1·30	47.4244	9·6
...	28°597	-54°517	-5	...	...	*	24°116	+1°449	1·00	46.4524	10·6	...	18°794	-28°296	0·90	...	...

305, 308. C.P.D., suspected double.
379, 383. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.								
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.							
481-540																								
481	-18·732	+25·348	-4	°M	...	541	-14·293	-12·363	0·70	°	...	601	-8·810	+37·963	-3	°	...							
*	18·712	-0·585	1·20	46.4536	9·8	...	13·988	-7·619	-5	...	...	...	8·780	+18·930	-2	M	...				
...	18·706	+13·218	-5	M	...	...	13·943	+13·820	0·70	A	...	...	8·715	-33·374	-4	...	...					
...	18·617	-26·869	-5	...	...	...	13·754	+27·701	0·90	...	...	...	8·556	+2·312	-5	M m	...	
...	18·596	-33·962	-4	...	...	*	13·687	+15·505	1·00	46.4543	10·5	...	8·179	-24·154	-5	m	...					
*	-18·558	-9·264	3·00	47.4245	7·9	...	-13·484	-17·877	0·80	...	...	*	-8·139	+21·438	1·00	46.4553	10·0					
...	18·527	+25·408	-4	M	...	...	13·436	+15·419	0·70	B	...	...	8·132	+40·177	-5	M m	...			
...	18·517	+16·429	-2	M	...	...	13·398	+38·948	-4	M	...	S *	8·078	+57·008	3·00	45·4675	7·6					
...	18·282	-0·874	-3	M	...	*	13·373	+21·643	1·00	46.4545	10·4	...	8·002	-51·203	0·90	47·4258	10·8							
...	18·126	-38·503	0·80	47.4246	10·5	...	13·315	+23·355	-3	M	...	...	7·874	+38·849	0·95	46.4554	10·2					
491	541-600																							
	...	-18·092	-38·463	-3	M	...	...	-13·309	-9·895	-5	M	...	611	-7·743	+33·920	-3	M	...				
	...	17·969	-7·836	-5	M	...	*	13·296	-6·409	1·00	46.4544	10·8	...	7·571	+44·155	-5	M m	...						
	*	17·834	+37·071	1·00	46.4538	9·9	...	13·201	+28·243	-3	M	...	*	7·333	-52·214	1·25	47·4259	10·0						
	*	17·827	+1·826	1·10	46.4537	10·0	*	13·172	-44·277	1·00	47·4251	10·8	...	7·062	-20·898	-5	m	...						
	...	17·742	-30·945	-5	...	...	*	13·120	-33·695	1·15	47·4252	9·8	...	6·999	-51·539	-5	...	...				
	...	-17·690	+0·091	-2	F	...	*	13·026	+5·208	1·15	46.4546	9·9	...	-6·953	-6·197	-4	m	...						
	...	17·666	+19·088	-1	B	...	...	13·026	-14·840	-5	...	...	...	6·929	+4·728	-5	M m	...	
	...	17·433	+30·243	0·70	A	...	...	12·796	+35·042	0·90	46.4547	10·4	*	6·927	-55·369	1·20	47·4260	10·2				
	...	17·402	+27·785	0·90	...	...	*	12·660	+0·597	1·00	46.4548	10·4	*	6·873	+10·011	1·00	46·4555	10·0				
501	...	17·343	-7·717	0·70	...	...	...	12·649	+11·243	-5	M	...	6·822	+39·883	0·65	...	...					
	*	-17·175	-23·606	1·00	47.4247	10·8	561	621																
	...	17·136	-38·199	-5	...	...	...	12·358	-43·486	-5	...	...	...	6·733	+29·980	-3	...	...				
	...	17·108	-29·040	-5	...	...	*	12·243	-30·646	3·00	47.4253	7·5	...	6·685	+6·320	-5	M m	...				
	*	17·029	+0·385	1·20	46.4539	10·0	...	12·227	+49·854	-1	...	...	...	6·676	+11·737	-4	M	...			
	...	16·999	-15·668	-1	...	...	...	12·126	+55·763	-2	...	...	...	6·633	-23·175	-5	m	...
	...	-16·982	-51·528	-4	...	...	...	-12·077	+56·389	-3	...	...	...	-6·351	+56·813	-5	...	...				
	...	16·905	-10·939	-5	M	...	*	12·012	+0·481	1·10	46.4549	10·0	...	6·343	+10·737	-5	M m	...						
	†	16·840	-40·131	-2	...	...	...	12·004	-23·247	0·75	...	...	...	6·338	+8·737	-5	M m	...
	...	16·766	-27·810	-5	...	...	...	11·959	-32·049	-5	...	...	...	6·290	+28·189	-5	M m	...
511	...	16·749	-42·626	-5	...	...	...	11·902	+11·840	-5	M	...	...	6·120	+50·666	-4	...	...				
	...	-16·689	+21·115	-5	M	...	571	631																
	...	16·584	-21·263	-5	...	...	...	11·794	-2·626	-2	...	...	...	-6·082	+30·964	0·75	...	...				
	...	16·565	-10·714	-5	M	...	...	11·729	-28·142	0·90	47.4254	10·4	...	6·061	-30·809	-5	...	...				
	*	16·553	-14·763	1·00	47.4248	10·8	...	11·564	-55·116	1·05	47.4255	10·4	...	6·059	-16·542	-1	...	...				
	...	16·539	+24·642	-4	M	...	...	11·510	+12·280	-4	M	...	...	6·057	-46·999	-5	...	...				
	*	-16·370	+37·324	1·00	46.4540	10·6	†	-11·146	+14·813	0·70	A	...	...	-5·753	-33·479	-5	...	...				
	...	16·245	-6·992	0·70	...	...	...	11·124	-17·520	0·70	...	...	...	5·740	+37·745	-2	...	...				
	...	16·196	+4·088	-3	M	...	...	11·073	-33·613	-5	M	...	...	5·530	-55·188	-5	...	...				
	...	16·120	+27·746	0·70	A	...	...	11·058	+58·981	1·00	45·4672	10·8	...	5·526	+19·474	-3	M	...				
521	...	15·961	-15·573	-2	581	641																
	...	-15·956	+25·094	0·80	...	...	...	-10·798	-1·544	-2	M	...	...	-5·306	+53·773	-3	...	...				
	...	15·702	-56·443	-5	...	...	...	10·779	+1·047	0·90	46.4550	10·8	...	5·195	+31·530	-3	...	...				
	...	15·576	-46·862	-3	...	...	...	10·767	-43·007	-3	...	...	...	4·974	-7·002	-5	M m	...
	...	15·557	-27·616	0·70	...	...	...	10·727	-46·587	-5	...	...	...	4·750	+44·095	-4	...	...				
	...	15·554	-23·246	-5	...	...	*	10·684	+28·649	1·60	46.4551	9·4	...	4·578	+37·478	-3	...	...				
	...	-15·356	-23·679	0·65	...	...	...	-10·379	-14·057	-5	...	...	...	-4·454	-26·719	-3	...	...				
	†	15·074	+20·725	-4	M	...	...	10·156	-14·704	0·65	...	...	†	4·209	-35·094	-4	...	...				
	†	15·069	-24·544	0·80	...	...	†	10·113	-15·771	-5	...	...	...	3·993	-50·514	-2	...	...				
	†	15·065	+3·399	0·95	46.4541	10·5	...	9·955	+6·320	-5	M	...	...	3·980	-19·719	-3	...	...				
531	†	15·059	-55·497	-5	...	...	...	9·780	+3·175	-4	M	...	...	3·898	-27·453	-5	m	...	
	†	-15·041	-5·327	-5	591	651																
	†	15·037	-1·472	-5	...	...	*	-9·696	-41·118	1·15	47.4256	10·0	...	-3·812	+50·420	0·70	46.4557	10·2				
	...	14·842	-7·947	-4	...	...	...	9·608	-5·192	1·00	46.4552	10·0	...	3·790	+56·600	-5	...	...				
	...	14·838	-26·578	0·90	47.4249	10·8	...	9·569	+2·281	-5	M	...	...	3·765	+50·323	-5	M	...				
	*	14·831	-30·478	1·00	47.4250	10·4	...	9·496	+29·138	-5	M	...	...	3·679	-26·063	-5	m	...				
	...	-14·829	+46·155	-2	...	...	...	9·323	-28·815	0·75	...	...	...	3·662	+5·240	-5	M m	...
	...	14·821	+46·390	-5	M	...	...	-9·313	+17·520	-2	...	...	*	-3·649	-26·778	-5	M m	...		
	*	14·819	+5·512	1·05	46.4542	10·4	...	9·165	+53·757	-2	...	...	...	3·573	-17·299	1·00	47·4261	9·8			
	...	14·474	-54·748	-5	...	...	...	9·018	-50·824	0·70	47·4257	10·8	...	3·519	-15·476	-4	...	...				
	...	14·466	+5·368	-5	M	...	...	8·841	+25·812	-5	M	...	...	3·476	-15·053	-5	m	...		
	...	9·369	-23·027	-5	...	...	...	8·841	+25·812	-5	M	...	...	3·369	-23·027	-5	m	...	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.			
661-720																				
661	*	- 3·289	+ 56·984	2·10	45·4680	9·0	721	*	+ 1·788	- 22·639	1·00	47·4267	10·2	781	+ 6·443	- 20·419	- 5	o	...	
	*	3·280	- 4·000	1·30	46·4558	9·7		...	1·843	- 33·514	- 5	M m	6·518	+ 37·525	- 4	M	...	
...	3·255	+ 31·131	- 4	...	...	...	...	2·051	- 12·216	- 5	M m	...	...	6·538	+ 52·019	- 5	M m	...
...	2·896	- 25·523	- 5	m	...	...	...	2·092	+ 41·268	- 5	M	...	...	6·621	+ 12·283	o·85	M	...
...	2·769	- 35·935	- 3	...	...	...	...	2·133	- 12·673	- 5	M m	...	...	6·713	- 34·678	- 5	...	...
...	- 2·743	+ 57·858	- 3	...	...	...	...	+ 2·190	- 31·764	- 4	...	...	...	+ 6·894	+ 4·985	- 1	M	...
...	2·659	+ 59·506	1·00	45·4683	10·0	...	...	2·218	+ 45·233	- 5	M m	...	†	7·042	+ 34·750	- 4	M	...
...	2·613	+ 16·490	- 3	M	...	...	...	2·247	+ 21·948	- 5	M	...	...	7·189	+ 6·517	o·90	46·4570	10·2
S *	2·490	- 55·780	2·00	47·4262	8·8	...	...	2·316	+ 45·852	- 4	M	...	...	7·238	+ 19·517	- 5	...	...
*	2·439	+ 0·967	1·00	46·4559	10·0	...	...	2·337	+ 7·413	- 5	M m	...	...	7·242	- 6·848	- 5	M m	...
671	...	- 2·415	- 34·000	- 2	731	...	+ 2·416	- 53·991	- 4	7·251	+ 40·323	- 5	M	...	
...	2·291	+ 27·364	- 5	M m	...	...	...	2·446	- 35·737	- 2	...	...	...	7·371	+ 15·610	- 5	M m	...
...	2·280	- 17·873	- 5	m	...	...	...	2·466	- 54·110	- 4	...	...	...	7·478	+ 59·372	- 1	...	...
NFf	2·239	+ 44·012	- 5	M m	...	...	...	2·510	- 7·564	- 1	...	...	...	7·599	- 38·447	- 3	...	...
NFf	2·098	+ 0·125	- 3	...	...	...	...	2·560	- 24·318	- 5	M m	...	*	7·729	- 28·191	1·00	47·4269	10·2
...	- 2·090	+ 0·022	- 4	...	...	...	...	+ 2·668	- 5·139	- 5	M m	...	...	+ 7·763	+ 32·565	- 5	m	...
...	2·018	- 10·350	- 3	...	...	...	...	2·902	+ 13·719	- 5	M m	...	...	7·817	- 29·872	o·70	...	...
...	1·995	+ 16·093	- 5	M m	...	...	...	2·952	+ 21·540	- 2	M	...	...	7·861	+ 58·472	- 4	...	...
*	1·886	- 18·687	1·00	47·4263	10·2	*	...	2·966	+ 16·293	1·00	46·4562	10·2	...	7·872	+ 53·380	o·65	...	...
...	1·853	- 27·273	- 5	m	...	...	...	2·995	- 8·491	- 4	M m	...	...	7·976	- 15·424	- 4	...	...
681	...	- 1·815	+ 13·601	- 1	741	...	+ 3·061	+ 44·158	- 4	M	8·208	- 1·676	- 5	M m	...	
*	1·628	- 15·703	1·20	47·4264	9·6	...	...	3·150	+ 23·961	- 5	M m	...	...	8·275	+ 44·253	- 5	...	...
...	1·581	- 54·010	- 5	...	...	...	...	3·236	- 15·400	- 5	M m	...	*	8·310	- 47·033	2·00	47·4271	8·6
†	1·545	- 20·108	- 3	...	...	...	...	3·294	- 17·054	0·70	...	...	...	8·342	- 3·350	- 4	M m	...
...	1·450	+ 2·858	- 3	M	...	...	...	3·344	+ 50·078	- 2	...	...	...	8·396	+ 47·958	- 5	m	...
...	- 1·297	- 59·874	- 5	m	...	...	...	+ 3·397	+ 47·957	- 4	M	...	...	+ 8·400	- 48·859	- 5	...	...
...	1·268	+ 27·897	- 5	M m	...	...	...	3·411	- 24·519	- 2	...	...	...	8·416	- 2·671	- 4	...	...
...	1·240	+ 5·960	- 4	M m	...	...	...	3·732	- 52·926	- 4	...	...	...	8·455	- 18·334	- 5	M	...
...	1·180	+ 28·285	- 5	M m	...	...	...	3·765	+ 56·454	- 2	...	...	...	8·471	+ 31·189	- 5	...	...
...	1·180	- 25·431	- 4	...	...	...	...	3·781	- 6·616	0·80	...	...	...	8·476	- 27·428	- 2	...	...
691	*	- 1·002	+ 1·080	1·00	46·4561	10·0	...	751	...	+ 3·845	- 41·377	- 2	+ 8·515	- 0·993	0·90
...	0·710	+ 42·066	- 4	...	...	...	...	4·002	+ 10·638	- 3	M	...	...	8·653	+ 30·925	- 3	...	...
...	0·585	+ 4·890	- 5	M m	...	...	...	4·023	+ 3·762	- 4	M m	...	...	8·668	- 27·121	- 5	M m	...
*	0·578	- 15·898	1·80	47·4265	9·2	...	...	4·059	- 49·574	- 1	...	...	...	8·703	- 59·513	1·00	47·4272	10·2
*	0·530	- 17·068	1·15	47·4266	9·5	...	...	4·389	+ 50·035	- 5	M m	...	...	+ 8·795	+ 41·349	- 5	m	...
...	- 0·443	+ 48·931	- 5	M	...	...	...	+ 4·391	+ 6·324	0·65	M	...	...	+ 8·856	+ 47·701	- 4	M	...
†	0·048	- 3·262	- 5	m	...	*	...	4·484	+ 20·571	1·00	46·4564	10·2	...	8·966	+ 7·611	- 5	m	...		
...	- 0·006	- 15·726	o·90	...	...	...	...	4·486	+ 43·922	- 4	M	...	...	8·969	+ 32·268	- 3	...	...
...	+ 0·105	- 2·412	o·70	...	...	...	S *	4·506	+ 37·336	2·00	46·4563	8·6	...	8·993	+ 40·727	o·95	46·4571	10·2
...	0·195	+ 4·371	- 4	M m	...	...	...	4·779	+ 33·628	- 5	M m	...	...	9·023	+ 40·727	o·95	46·4571	10·2
701	...	+ 0·409	+ 36·131	o·80	M	...	761	...	+ 4·811	+ 0·578	- 5	M m	+ 9·045	- 5·323	o·70	
...	0·572	- 19·762	- 5	...	...	...	...	4·848	+ 4·717	1·00	46·4566	9·8	...	9·081	- 31·747	o·80	...	...
...	0·603	+ 45·787	- 4	M m	...	*	...	4·979	+ 18·674	1·00	46·4565	10·2	...	9·166	+ 30·146	- 3	...	...
...	0·737	- 57·426	- 4	...	...	...	...	5·028	+ 44·273	- 3	M	...	S *	9·248	- 10·363	2·00	47·4273	8·9
...	0·747	- 13·639	o·70	...	...	*	...	5·051	- 9·033	0·95	...	...	*	9·260	+ 9·481	2·00	46·4573	8·2
...	+ 0·786	+ 27·300	- 4	M m	...	...	...	+ 5·062	- 33·220	- 5	M	...	*	+ 9·387	+ 9·532	2·00	46·4573	8·2
...	0·829	- 25·327	- 5	M m	...	...	...	5·151	+ 4·740	1·00	46·4567	10·0	...	9·324	+ 42·300	1·00	46·4572	9·9
†	0·864	- 30·065	- 3	...	...	...	...	5·333	+ 18·024	0·90	...	...	*	9·425	- 1·147	1·00	46·4574	9·8
...	0·949	- 54·954	- 5	...	...	...	...	5·525	+ 41·230	0·95	...	...	*	9·427	- 7·700	- 5	m	...
...	1·184	+ 57·015	- 2	...	...	*	...	5·546	+ 45·124	1·20	46·4568	9·8	...	9·485	+ 55·610	- 5	...	...
711	...	+ 1·262	+ 29·153	o·90	771	...	+ 5·572	- 24·211	- 5	M	+ 9·629	+ 8·146	- 5	m	...	
...	1·280	- 57·704	o·65	...	...	...	...	5·607	- 36·006	- 5	M m	...	...	9·780	- 10·298	- 5	...	...
...	1·334	+ 15·272	- 5	M m	...	...	...	5·620	- 28·566	- 5	...	...	...	10·017	+ 31·302	- 5	m	...
†	1·370	- 30·181	- 3	...	...	...	...	5·680	+ 36·096	- 5	M	...	...	10·031	- 27·876	o·65	...	...
...	1·454	+ 13·958	- 5	M m	...	...	...	5·790	+ 16·641	- 5	M m	...	...	10·169	- 13·772	- 3	...	...
...	+ 1·455	+ 3·015	- 5	M m	...	...	...	+ 5·917	- 56·625	- 5	...	...	...	+ 10·455	+ 26·544	- 1	...	...
...	1·604	+ 44·829	- 5	M m	...	...	...	5·966	+ 31·717	- 3	M	...	...	10·482	+ 16·600	- 4	...	...
...	1·644	+ 37·420	- 5	M m	...	*	...	6·105	+ 28·821	1·00	46·4569	10·2	*	10·521	+ 52·617	1·00	45·4699	10·2		
...	1·747	+ 49·019	- 4	M m	...	...	...	6·261	+ 21·370	o·70	M	...	...	10·528	+ 33·170	- 2	...	...
...	1·774	+ 25·856	- 5	M m	...	...	...	6·263	- 28·501	o·80	...	...	...	10·573	+ 32·728	o·70	...	...

675, 676, 48°·63, 48°·64, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.
841-900																	
841	+10·607	+22·694	1·40	46.4575	9·2	901	+15·847	+47·500	-3	o	...	961	+22·977	-3·972	-5	m	...
...	10·672	+15·869	-4	...	...	...	16·173	-40·534	-4	...	...	...	23·095	+11·870	-4	m	...
...	10·676	+10·508	0·70	...	...	...	16·205	+26·553	-5	m	...	*	23·183	+32·261	1·00	46.4588	9·8
...	10·773	-13·298	-5	m	...	...	16·275	+34·579	0·90	46.4580	10·2	...	23·198	+39·591	-4	m	...
...	10·810	+6·682	-3	...	...	...	16·311	-14·070	-2	...	...	...	23·225	-36·075	-5	...	...
...	+10·940	-41·874	0·70	...	...	*	+16·474	+18·753	1·00	46.4581	9·8	...	+23·415	+16·856	-5	m	...
...	10·955	-30·025	-2	...	...	...	16·507	-16·320	-5	m	...	...	23·507	+42·409	-3	...	...
...	10·989	+54·934	-5	m	...	...	16·530	-41·506	-5	...	...	...	23·553	+41·299	-5	m	...
...	11·157	+24·052	-3	...	...	*	16·794	+7·769	1·00	46.4582	10·2	...	23·624	-25·849	-4	...	...
...	11·221	+11·234	-3	...	...	...	16·915	-33·549	-5	m	...	...	23·826	+18·963	0·90	...	...
851	* +11·328	-54·548	1·00	47.4274	10·0	911	+17·170	-9·065	-5	m	...	...	+23·981	-56·635	-5	...	...
...	11·359	-12·177	-5	m	...	...	17·356	+2·904	-4	...	...	...	23·991	+51·796	-1	...	...
...	11·494	-9·616	-3	...	...	...	17·545	-52·806	0·65	47.4279	10·2	...	24·032	+16·981	-5	m	...
...	11·511	-56·735	-5	...	...	*	17·653	-54·637	1·00	47.4280	10·0	...	24·046	-40·640	-3	...	...
...	11·518	-1·202	-4	m	...	...	17·695	+33·801	-5	m	...	...	24·090	+27·868	-5	m	...
...	+11·546	-2·946	-3	m	...	...	+17·759	+23·409	-3	...	...	...	+24·174	-10·551	-4	...	...
...	11·553	+19·499	-5	m	...	...	17·900	+6·145	-5	m	...	...	24·387	-16·099	0·70	...	...
...	11·608	+0·367	-5	m	...	...	18·191	-15·564	-4	...	...	...	24·422	+11·728	-4	m	...
...	11·682	+17·570	0·70	46.4576	10·2	*	18·327	+33·067	1·00	46.4583	10·2	*	24·770	-24·530	1·00	47.4285	10·2
...	11·697	-5·165	-4	...	...	*	18·340	-27·317	1·00	...	...	...	24·975	+10·234	-5	m	...
861	...	...	...	...	...	921	...	...	...	...	...	981	...	...	...	...	...
...	+11·720	-11·040	-5	m	...	...	+18·370	+30·420	-5	m	...	*	+25·012	+27·534	1·10	46.4589	9·9
...	11·794	+34·648	1·00	46.4577	9·9	...	18·633	-19·818	-4	...	...	...	25·045	+9·670	-5	m	...
...	11·822	+29·267	-5	m	...	...	18·792	+38·618	-5	m	...	*	25·112	-29·518	1·00	47.4286	10·2
...	12·026	-40·100	2·00	47.4275	8·6	...	18·798	+52·151	-4	...	...	...	25·127	+34·356	-5	m	...
...	12·115	-33·622	-5	...	...	...	18·875	+41·914	0·70	...	...	...	25·451	-25·689	-4	...	...
...	* +12·185	+52·969	1·10	45.4703	9·9	...	+19·297	+53·116	-4	m	...	...	+25·495	-25·953	0·90	...	...
...	12·217	-4·439	-5	m	...	...	19·355	+15·926	-5	m	...	*	25·681	-56·283	1·00	47.4287	10·0
...	12·336	+23·382	-5	m	...	...	19·490	-53·905	-5	...	...	...	25·778	-17·506	-1	...	...
...	12·395	-14·876	-4	m	...	...	19·634	+54·973	-4	...	...	...	25·797	+7·109	-5	m	...
...	12·465	-4·384	-3	...	...	...	19·647	-21·366	-4	...	...	†	25·848	+14·822	0·95	...	...
871	...	...	...	...	...	931	...	...	...	...	...	991	...	...	...	...	...
...	+12·473	-45·259	-5	...	...	...	+19·652	+19·940	-4	...	...	...	+26·260	+22·735	-5	m	...
...	12·561	-7·424	-5	m	...	†	19·900	-11·763	0·70	...	...	...	26·285	-9·583	0·65	...	...
...	12·619	+11·959	-4	...	...	...	20·001	-13·730	0·70	...	...	...	26·427	-47·167	-2	...	...
...	12·745	+37·349	-4	...	...	*	20·019	-21·841	1·00	47.4281	9·8	...	26·542	+11·413	0·90	46.4590	10·2
...	12·959	+7·249	-5	m	...	...	20·578	-42·869	0·80	...	...	...	26·575	-11·951	-4	...	...
...	+13·304	-27·795	-5	m	...	...	+20·579	-22·202	0·90	...	...	...	+26·602	-23·771	0·70	...	...
...	13·443	-39·144	-5	...	...	*	20·641	+27·164	1·80	46.4584	9·0	...	26·753	-35·237	-4	...	...
...	13·456	+25·726	-4	m	...	*	20·818	-20·677	1·00	47.4283	9·8	...	26·759	-2·141	0·70	...	...
...	13·562	+7·199	-1	46.4578	10·2	...	20·969	-22·781	-5	m	...	...	26·968	+57·103	-5	m	...
...	13·715	+19·904	-5	m	...	*	21·028	-3·029	1·00	46.4586	10·2	*	26·989	+10·693	1·00	46.4591	9·8
881	...	...	...	...	...	941	...	...	...	...	...	1001	...	...	...	...	...
...	+13·753	+7·130	-4	...	...	...	+21·072	+21·226	-5	m	...	...	+27·074	-3·709	0·95	...	...
...	13·815	+1·245	-1	...	...	...	21·076	-17·725	-1	...	...	...	27·129	-4·300	-5	m	...
...	13·852	-10·744	-5	m	...	...	21·115	+56·891	-5	m	...	...	27·247	+52·625	-2	...	...
...	14·057	-15·938	-4	...	...	*	21·122	-23·179	0·95	47.4284	10·2	*	27·574	+49·495	1·00	46.4592	10·2
...	* 14·296	-23·260	1·00	47.4276	10·2	*	21·181	+18·606	1·00	46.4585	10·0	*	27·645	+15·995	1·05	46.4593	9·7
...	+14·773	+30·163	-1	...	...	...	+21·445	+41·232	-5	m	...	†	+27·662	+19·767	-5	m	...
...	14·820	+43·723	-5	m	...	...	21·642	-20·997	-4	...	...	*	27·751	-6·820	1·00	46.4594	9·8
...	15·081	-4·308	-5	m	...	...	21·651	+13·904	-4	m	...	...	27·798	+38·061	-5	m	...
...	* 15·140	-44·503	1·05	47.4277	10·0	...	21·658	+10·284	0·65	...	...	...	27·946	-3·766	0·70	...	...
...	15·420	+0·170	-5	m	...	...	21·734	+9·874	0·80	...	...	...	28·065	+21·469	-4	m	...
891	...	...	...	...	...	951	...	...	...	...	...	1011	...	...	...	...	...
...	+15·466	+14·773	-5	...	...	...	+21·752	-35·997	0·70	...	...	...	+28·425	+33·628	-5	m	...
...	* 15·477	+6·219	1·40	46.4579	9·4	*	21·755	+32·369	1·00	46.4587	9·8	...	28·512	-15·529	-4	...	...
...	* 15·505	-37·848	1·05	47.4278	10·0	...	21·909	+22·321	-5	m	...	*	28·648	+14·853	1·00	46.4595	10·2
...	15·592	-17·536	-4	...	...	...	21·918	+26·628	-5	m	...	...	28·839	+36·182	-5	m	...
...	15·647	+54·984	-2	...	...	†	22·112	-25·075	0·70	...	...	...	28·850	-22·446	-5	...	...
...	+15·648	-34·947	-4	m	...	...	+22·209	-7·483	-4	m	...	...	+28·880	-2·620	-1	...	...
...	15·663	-42·784	-5	...	...	...	22·594	-48·200	0·85	...	...	*	28·990	+35·913	1·00	46.4596	10·2
...	15·705	+35·571	-3	...	...	...	22·623	+16·665	-5	m	...	...	29·024	+3·220	-5	m	...
...	15·740	+4·476	-1	...	...	...	22·697	+22·186	-5	m	...	...	29·069	-2·300	-4	...	...
...	15·758	+21·712	-4	m	...	...	22·932	+55·038	1·00	...	...	...	29·175	-15·476	0·95	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
1021-1080																		
1021	... +29·224	+56·588	-5	° m	...	1081	+34·429	+ 6·499	-5	° m	...	1141	+38·695	-19·314	-1	...	...
*	29·574	-29·371	1·00	47·4289	9·7	...	34·460	-51·933	-3	...	...	N *	38·696	+29·842	2·00	46·4608	8·5
...	29·600	-38·021	-4	...	...	...	34·503	-45·167	0·70	47·4298	10·0	...	38·749	-37·882	-5	m	...
...	29·619	-6·239	-5	...	...	*	34·578	-45·526	1·30	47·4299	9·5	...	38·827	-2·641	-5	...	...
*	29·622	-22·594	1·60	47·4288	9·2	*	34·660	-51·700	1·10	47·4300	9·8	...	38·886	+38·622	-4	...	...
...	+29·716	+46·438	-4	...	...	...	+34·675	+28·803	-5	m	...	...	+39·212	-47·745	-5	...	...
*	29·750	+36·093	1·00	46·4597	10·2	...	34·736	-37·094	0·70	...	...	...	39·252	+18·180	-5	m	...
*	29·976	-24·551	1·35	47·4290	9·4	...	34·881	-42·684	-5	...	...	...	39·428	-37·354	-5	...	...
...	30·049	-22·978	-5	m	...	...	35·088	+4·986	-4	m	...	...	39·437	+38·791	-5	m	...
...	30·077	-9·589	-5	m	...	...	35·239	+12·550	-5	m	...	...	39·449	+10·382	-1	...	...
1081-1140																		
1081	...	...	...	...	...	1091	+35·585	+10·270	1·00	46·4601	9·8	1151	+39·478	+20·170	-5	m	...
...	+30·172	+10·965	-5	m	...	*	35·697	-6·780	-4	...	...	...	39·494	-12·255	-5	...	...
...	30·193	+10·706	-4	...	...	...	35·698	-23·587	-4	...	...	...	39·543	+12·353	-5	...	...
...	30·258	-22·473	-3	...	...	...	35·709	+56·013	0·70	45·4737	10·2	...	39·618	+57·146	-2	45·4742	10·2
*	30·585	+24·345	1·00	46·4598	9·9	...	35·759	-17·723	-5	m	...	...	39·641	+15·229	-5	...	...
...	30·591	+27·867	-4	m	...	...	35·788	+23·783	-1	...	...	*	+39·913	-37·338	1·00	47·4302	10·2
...	+30·600	-10·287	0·70	...	...	...	35·842	+19·545	0·70	...	...	...	40·060	-8·254	-5	...	...
...	30·650	+2·977	-5	m	...	...	35·907	+39·154	1·00	46·4600	10·2	...	40·132	-0·740	-3	...	...
...	30·720	-7·569	-5	...	...	...	35·966	+40·002	-5	m	...	...	40·363	-7·868	-5	...	...
...	30·815	+28·224	-5	m	...	...	36·040	+16·518	-5	m	...	*	40·531	-39·164	1·00	47·4303	10·2
1141-1200																		
1141	...	...	...	...	...	1151	S *	+40·556	-36·947	1·90	47·4304	9·1	...	...	...	...	...
...	31·246	-7·501	-1	...	...	*	36·058	-42·645	-5	...	...	...	40·928	-17·545	-2	...	...
...	31·307	+41·935	-5	...	...	...	36·066	-40·362	-5	...	...	...	41·032	-28·872	-4	...	...
...	31·333	+1·778	-4	m	...	...	36·123	-8·271	-5	m	...	...	41·050	+28·170	-2	...	...
...	31·467	+40·986	-4	m	...	†	36·198	+9·790	-5	m	...	...	41·131	+30·771	0·95	46·4609	10·2
...	+31·491	+30·569	-3	...	...	...	+36·257	-37·580	-4	...	...	...	+41·139	-58·193	-1	47·4305	10·2
...	31·641	-0·054	-5	m	...	...	36·346	-0·813	-1	...	...	...	41·159	+6·662	-4	...	...
...	31·658	-26·597	-4	...	...	...	36·411	+17·914	-3	...	...	*	41·241	+41·315	1·20	46·4610	9·8
...	31·760	+1·930	-5	m	...	...	36·505	+28·230	-5	m	...	...	41·284	-6·844	-5	m	...
...	31·790	+13·185	-4	...	...	*	36·535	-6·920	1·00	46·4603	10·2	...	41·294	+6·113	-4	...	...
1151-1210																		
1151	...	...	...	...	...	1161	+41·404	-57·293	-5	...	...	...	...	...	...	...	...
...	+31·797	-55·037	-5	...	...	*	36·703	+24·871	-3	...	...	...	41·535	-31·893	-5	...	...
...	31·834	+11·765	-4	...	...	...	36·758	+6·616	-4	...	...	...	41·662	+11·221	0·75	...	...
...	31·880	-17·940	-5	...	...	*	36·803	+46·323	1·00	46·4602	9·9	...	41·670	+57·250	-5	m	...
*	32·039	+25·391	1·15	46·4599	9·8	*	36·848	+7·538	1·00	46·4604	9·8	...	42·140	+4·820	0·90	46·4612	10·2	
...	32·062	-6·750	-2	...	...	...	36·963	-13·680	-4	...	...	*	+42·372	-31·414	0·70	...	...
*	+32·101	-30·276	1·00	47·4293	10·0	...	+37·024	-32·964	-5	...	...	...	42·495	+37·640	1·10	46·4611	9·8
...	32·127	-12·384	-5	...	...	...	37·419	+48·328	-4	...	...	*	42·665	+31·960	-3	m	...
...	32·145	-59·307	-3	...	...	*	37·487	-35·234	1·00	47·4301	10·0	...	42·837	+18·286	-2	...	...
...	32·203	-28·854	0·70	...	...	...	37·552	-17·017	-4	...	...	...	42·887	+24·703	1·40	46·4613	9·0
...	32·221	+51·633	-5	m	...	*	37·571	+47·751	1·40	46·4605	9·4	...	43·521	+28·587	-2	m	...	
1161-1220																		
1161	...	...	...	...	...	1171	+42·965	-5·266	0·70	...	...	...	42·991	+23·134	-4	...	...
...	+32·494	-31·193	-4	...	...	*	37·649	-20·633	-5	...	...	...	43·303	-7·241	-5	m	...
...	32·550	-48·066	-1	...	...	...	37·721	+40·741	-5	m	...	...	43·309	-20·913	2·00	47·4306	8·6
...	32·755	+58·005	0·70	45·4729	10·2	...	37·736	+40·455	-4	m	...	...	43·521	+28·587	-2	m	...
...	32·851	-12·364	-5	...	...	...	37·748	-16·742	-5	m	...	...	+43·527	+31·638	1·25	46·4614	9·4
...	32·876	+6·249	-4	...	...	*	37·758	+57·617	1·10	45·4740	9·9	...	43·552	-7·131	-2	...	...
...	+32·913	+6·834	-5	m	...	...	+37·871	-3·290	-5	...	...	*	+43·599	+2·910	-5	m	...
...	32·923	-17·976	0·70	...	...	...	37·939	+48·922	-4	m	...	...	43·617	+10·888	1·00	46·4615	9·9
...	32·941	+21·139	0·70	...	...	...	38·077	+24·283	-5	m	...	...	43·653	+2·281	-5	m	...
*	33·019	-39·296	1·00	47·4294	9·8	...	38·100	-16·877	-5	...	...	...	43·852	-51·685	-5	...	...
...	33·247	-20·283	0·70	...	...	...	38·103	-19·109	-5	...	...	...	43·910	-56·109	-5	...	...
1171-1230																		
1171	1181	43·084	+46·922	-4	44·084	+4·147	+6·818	1·00	46·4617	9·8
...	+33·256	+16·073	0·70	...	...	*	+38·105	+4·534	2·00	46·4607	9·0	...	44·174	-1·541	-5	m	...
*	33·306	-39·076	1·15	47·4295	9·7	...	38·267	-7·713	-5	...	...	...	44·246	+18·017	1·00	46·4616	10·2
...	33·306	-52·798	-3	...	...	...	38·297	-21·058	-5	...	...	...	44·331	-46·877	-5	m	...
...	33·600	+56·415	-5	m	...	...	38·343	-24·879	-3	...	...	...	44·382	+36·941	-1	...	...
...	33·727	-37·925	-4	...	...	...	38·367	-23·915	-3	...	...	...	44·386	-46·318	-4	...	...
...	+33·751	+17·050	-5	m	...	...	+38·374	+12·188	-5	m	...	...	44·408	-1·782	-5	m	...
...	33·993	-52·654	-5	...	...	...	38·403	-47·311	-5	...	...	...	44·822	+46·922	-4	...	...
*	34·194	-39·209	1·35	47·4297	9·4	...	38·413	-20·874	-4	...	...	...	44·886	-46·318	-4	...	...
...	34·238	-22·298	-5	...	...	*	38·492	+30·471	4·60	46·4606	7·3	...	44·908	-1·782	-5	m	...
+	34·341	-15·138																

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.			
1201-1260																				
I 201	*	+44°570	+32°088	3·60	46.4618	7·8	I 261	+	+49°125	-37°177	-5	o	...	†	+54°755	+1°989	-5	o		
N *	44°730	+31°656	1·80	46.4619	9·2	...	49°216	+38°012	-5	m	...	...	...	54°900	-24°591	-3	m
+	44°822	-30°379	1·00	47.4307	9·7	...	49°238	-25°610	-2	...	...	...	...	54°922	-35°813	-2	...
...	44°875	-31°005	-5	...	...	...	49°555	-20°409	-5	...	...	...	...	54°944	+20°150	-5	m
...	44°905	-55°236	-5	...	...	...	49°763	-11°853	-5	m	...	...	...	54°991	-41°079	-5	...
...	+44°950	+53°593	-4	m	...	...	+49°823	-33°371	2·00	47.4317	9·0	...	...	+55°008	+6°407	0·95	46.4633
...	45°021	+8°902	0·85	...	...	...	49°827	+25°363	1·00	46.4626	9·9	...	...	55°068	-0°295	-3	f
...	45°068	-42°585	-5	...	...	...	49°952	+8°129	1·15	46.4628	9·7	...	...	55°245	-11°132	0·70	47.4327
...	45°151	+22°354	-4	...	...	...	50°127	-18°494	-5	...	...	...	...	55°362	-53°650	-4	...
...	45°229	-17°173	-2	...	...	...	50°140	-2°632	-5	m	...	...	...	55°550	-12°371	-5	...
I 211	...	+45°260	-21°429	0·95	47.4308	10·2	I 271	...	+50°268	+24°045	0·70	I 331	...	+55°729	-56°445	0·95	47.4329	
S *	45°375	+50°171	2·20	46.4620	8·7	...	50°311	+49°526	-3	46.4627	10·2	...	...	55°757	+40°157	-3	46.4634	
...	45°589	-10°400	0·90	...	...	...	50°545	-27°364	-5	...	...	...	...	55°895	+41°714	-2	46.4635
...	45°633	-59°770	-5	...	...	...	50°560	-55°525	-5	...	...	...	...	55°943	+38°194	-5	m
...	45°720	-47°517	-4	...	...	...	50°691	-19°731	1·00	47.4318	10·2	...	...	56°116	+10°412	0·80	46.4636
*	+45°798	+58°566	1·90	45.4749	9·2	...	+50°754	-29°236	-5	...	...	...	...	+56°206	-34°985	-1	...
...	45°808	+54°235	-4	...	...	...	50°823	-31°477	0·70	47.4320	10·2	...	...	56°338	-53°410	-4	47.4330
...	45°821	-11°193	-4	...	...	...	50°845	-22°461	1·10	47.4319	9·8	*	...	56°479	+56°413	1·20	45.4768
*	46°034	-28°532	1·00	47.4310	10·2	*	50°884	+21°091	1·80	46.4629	9·0	...	...	56°510	-54°402	-4	47.4332	
...	46°036	+51°952	-4	...	...	...	51°076	-6°865	1·30	46.4631	9·4	...	...	56°966	-6°039	-5	...
I 221	...	+46°126	-13°335	-5	I 281	...	+51°160	+52°754	-5	I 341	...	+56°991	-44°016	-3	...	
...	46°526	+31°109	-5	m	...	...	51°190	+2°033	0·80	46.4630	10·2	...	...	57°006	-30°041	-5	...
*	46°526	-21°547	1·20	47.4311	9·6	N	51°226	+1°543	-2	...	...	...	...	57°017	+25°011	-5	e
...	46°564	-7°040	-5	...	...	...	51°403	+30°986	-5	m	...	*	...	57°043	-22°433	1·15	47.4331
...	46°809	+6°568	-5	m	...	*	51°414	-39°501	1·35	47.4321	9·4	...	...	57°048	-4°037	-2	...	
...	+46°869	+16°821	-4	m	...	...	+51°417	+15°281	-4	m	...	n	...	+57°059	-24°786	0·80	47.4333	
...	46°963	+48°181	-4	...	...	...	51°543	-3°581	-4	...	...	...	...	57°074	-42°361	-3	...
...	47°328	-5°346	-4	...	...	...	51°557	+45°406	-5	m	...	...	...	57°108	-10°489	-5	...
*	47°367	+27°942	1·00	46.4621	10·2	...	51°561	-13°678	-5	...	...	...	...	57°138	+16°753	-5	m
...	47°393	-23°986	-5	...	...	...	51°639	+43°441	-3	...	...	...	...	57°337	+21°977	-5	m
I 231	*	+47°445	-44°551	1·45	47.4312	9·7	I 291	...	+51°899	+40°424	-5	I 351	...	n *	+57°347	-24°696	1·10	47.4333
*	47°573	+45°539	1·00	46.4622	9·8	...	52°041	+21°563	-5	m	...	...	...	57°492	-39°564	-5	...
...	47°624	+51°864	-5	...	...	...	52°070	+11°064	-5	...	...	...	...	57°496	-9°150	-5	...
...	47°909	+9°199	-1	...	...	...	52°098	+54°467	-4	...	...	...	...	57°624	-24°552	-5	...
...	47°911	+21°152	0·90	...	...	...	52°145	-20°124	-5	...	...	...	...	57°727	-23°358	-5	...
...	+47°921	+7°885	-5	m	...	...	+52°149	-15°428	-5	...	...	...	...	+58°100	-17°938	-2	...
...	48°079	-11°515	-3	...	...	...	52°210	+41°070	-5	m	...	...	...	58°173	-26°456	-5	...
...	48°094	+15°779	0·70	46.4624	10·2	...	52°223	-9°204	0·70	...	...	...	...	58°286	-38°186	-5	...
...	48°107	-34°209	0·95	47.4313	10·0	...	52°301	+0°519	-5	m	...	...	...	58°364	+39°783	-4	e
...	48°188	+2°781	-5	m	...	...	52°470	+11°315	-3	...	...	...	...	58°586	+30°798	1·05	46.4638
I 241	*	+48°400	+47°070	1·00	46.4623	9·8	I 301	...	+52°568	+48°382	-4	I 361	...	+58°725	-39°305	-5	...	
...	48°466	-13°943	-4	...	...	...	52°744	-0°728	-5	m	...	...	...	58°822	-20°438	-5	...
...	48°471	-14°516	-5	...	...	...	52°810	-3°908	-4	...	...	...	...	58°840	+45°293	0·65	46.4637
...	48°544	+6°010	-2	...	...	...	52°888	-49°405	-5	...	...	...	...	58°930	-21°131	-5	...
...	48°551	+5°447	-5	m	...	*	52°908	-23°132	1·25	47.4322	9·4	...	...	58°953	-13°576	-4	...	
...	+48°594	-54°044	-5	...	...	...	+53°057	-53°753	-5	...	...	*	...	+59°280	-49°021	2·20	47.4334
...	48°623	-23°610	-2	...	...	*	53°275	-53°123	1·30	47.4323	9·6	...	...	59°282	+14°148	-1	46.4639
...	48°628	+9°648	-5	...	...	...	53°423	-34°597	-5	...	...	...	...	59°460	-7°575	0·85	46.4640
...	48°664	-11°765	-5	...	...	...	53°508	+4°755	-1	...	...	...	...	59°491	+6°657	-5	m
...	48°666	+39°528	-5	m	...	...	53°679	+51°674	-3	...	...	...	...			
I 251	†	+48°718	-25°112	1·00	47.4314	10·2	I 311	...	+53°961	+23°080	-4	m	...							
...	48°741	+18°207	-5	m	54°110	-2°034	-3							
...	48°765	-11°400	-4	54°166	+14°302	-5	m							
...	48°800	-31°104	-2	54°192	+43°053	-4	46.4632	10·2							
...	48°840	+31°317	-5	m	54°302	+59°616	-4	45.4765	10·2							
S *	+48°878	-1°234	2·30	46.4625	8·1	...	+54°304	+22°231	-5	m							
*	48°907	-47°771	1·15	47.4316	9·8	...	54°308	-32°039	-5							
...	48°919	+21°097	-5	m	54°447	+31°216	-5	e							
...	48°948	-11°418	0·90	47.4315	10·2	...	54°620	+16°350	-5	m							
...	49°090	+3·397	-5	m	54°724	-29°360	0·95	47.4326	10·0							

1202. Obscured by 2nd image of 1201; 2nd image measured and corrected.

1283. Obscures 2nd image of 1282.

1346, 1351. C.P.D., nebulous.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.	
1-60																		
I *	-59°811	+31°369	1°10	46.4614	9°4	61	-49°414	-3°861	-5	°	121	-39°448	-30°510	-3	°	...
...	59°733	+46°652	-5	48°979	+4°829	-2	39°359	+59°138	-4
...	59°357	-58°485	-4	47.4305	10°2	...	48°891	+31°295	-5	E	...	*	39°125	+44°104	1°05	46.4648	9°8	
...	59°190	-5°524	-4	...	...	...	48°691	-23°076	1°20	47.4322	9°4	...	39°108	+4°331	0°80	...	...
...	59°119	+36°702	-5	...	...	...	48°421	+25°222	-5	M	...	†	39°100	+24°975	0°90	46.4647	10°2
...	59°065	+10°648	1°00	46.4615	9°9	...	-48°167	-1°948	-3	...	...	...	-38°947	-51°330	-5	...	...
...	58°961	-31°678	-5	...	...	...	47°860	+40°270	-3	46.4634	10°2	n	38°796	-42°408	-1	47.4339	9°8
...	58°764	+31°860	4°00	46.4618	7°8	...	47°769	+41°835	-2	46.4635	10°2	*	38°712	-45°618	1°35	47.4340	9°2	
...	58°656	+17°783	-1	46.4616	10°2	...	47°662	+56°545	1°15	45.4768	9°6	n	38°711	-42°484	-3	47.4339	9°8	
...	58°603	+31°411	1°20	46.4619	9°2	...	47°518	+6°520	0°65	46.4633	10°2	...	38°704	-36°402	-4	...	...
II						71						131						
S +	-58°543	+49°957	2°15	46.4620	8°7	*	-47°365	-53°023	1°20	47.4323	9°6	...	-38°697	+3°444	-4	...	...
...	58°398	+58°358	1°60	45.4749	9°2	...	47°260	-0°179	-3	F	...	...	38°261	+5°443	-5	...	...
...	58°393	+6°584	1°00	46.4617	9°8	...	46°728	-11°004	0°85	47.4327	10°2	*	38°120	+15°446	2°00	46.4649	8°8	
...	58°347	-21°137	2°00	47.4306	8°6	...	46°690	-29°222	1°00	47.4326	10°0	...	38°079	+5°897	-5	...	...
...	57°591	+8°689	-3	...	...	...	46°657	-24°467	-5	...	...	...	38°060	+13°072	-4	...	...
...	56°909	+48°009	-5	...	...	...	-46°552	+10°557	0°90	46.4636	10°0	*	-37°679	+13°037	3°00	46.4650	8°3
...	56°535	-30°571	1°15	47.4307	9°7	...	46°286	-35°672	-3	...	...	...	37°670	-8°554	-5	...	...
...	56°407	-10°576	-3	...	...	...	46°119	+25°187	-5	E	...	...	36°992	+55°023	-4	...	...
...	56°382	-21°615	-2	47.4308	10°2	...	46°042	-40°934	-5	...	...	...	36°897	-6°877	-2	...	...
...	56°207	+45°386	-1	46.4622	9°8	...	45°259	-53°472	-5	...	...	...	36°752	-56°725	-1	...	...
21						81						141						
...	-55°853	+27°801	-1	46.4621	10°2	†	-45°237	+39°987	-5	E	...	...	-36°675	-52°841	-4	...	...
...	55°453	+46°945	-1	46.4623	9°8	†	45°175	-3°857	-3	...	...	...	36°596	-48°288	-4	...	...
...	55°387	-28°679	-1	47.4310	10°2	†	45°023	-34°798	-2	...	...	...	36°111	+15°878	-4	...	...
...	55°129	-21°688	1°10	47.4311	9°6	...	44°948	+45°499	0°80	46.4637	10°0	†	35°751	-4°951	-3	...	...
...	55°097	-47°677	-4	...	...	...	44°895	-10°298	-5	...	...	...	35°649	+3°902	-1	...	...
...	-55°090	+21°029	-4	...	...	...	-44°809	-56°276	-1	47.4329	9°8	...	-35°586	-17°666	-4	...	...
...	54°738	+15°675	-4	46.4624	10°2	...	44°731	+31°016	0°75	46.4638	10°0	...	35°424	-32°819	-2	47.4344	10°2	
...	54°727	+9°085	-4	...	...	*	44°577	-22°245	1°00	47.4331	9°8	†	35°213	-10°832	-4	47.4347	10°2
...	53°988	+5°907	-4	...	...	n	44°494	-24°590	-2	47.4333	9°7	†	35°152	+17°491	-3	...	...
...	53°596	+49°464	-3	46.4627	10°2	...	44°304	-53°219	-4	47.4330	10°2	†	35°074	+24°966	2°60	46.4652	8°3	
31						91						151						
S *	-53°477	-44°642	0°90	47.4312	9°7	n *	-44°199	-24°502	1°00	47.4333	9°7	...	-35°070	-50°197	-1	47.4345	10°2	
...	53°405	-1°304	2°65	46.4625	8°1	...	44°097	-54°197	-3	47.4332	10°2	...	35°018	+33°530	-2	46.4651	10°2	
...	53°320	+25°297	0°90	46.4626	9°9	...	43°942	-43°806	-3	...	...	...	34°902	-25°028	0°90	47.4348	9°9
...	53°141	-34°288	-1	47.4313	10°0	...	43°908	-42°150	-3	...	...	...	34°701	-58°986	-1	47.4346	10°0
...	53°027	-11°488	-2	47.4315	10°2	...	43°862	-23°145	-5	...	...	...	34°357	-32°087	-4	...	...
...	52°962	-23°680	-4	...	...	...	43°668	-17°703	-3	...	...	...	34°339	-24°715	-5	...	...
...	52°834	-25°176	-1	47.4314	10°2	...	43°509	+14°394	-3	46.4639	10°2	...	34°264	-57°925	0°90	47.4349	9°7	
...	52°832	+24°002	-2	...	...	...	42°960	-13°324	-4	...	...	*	34°023	+1°952	3°00	46.4653	8°1
...	52°634	+8°080	1°00	46.4628	9°7	...	42°838	-37°932	-5	...	...	...	33°851	-51°835	-5	...	...
...	52°559	-31°164	-3	...	...	...	42°787	+9°092	-5	...	...	†	33°511	+19°944	1°40	46.4654	9°2
41						101						161						
...	-52°291	-25°659	-5	...	...	...	-42°728	+25°749	-3	46.4641	10°2	...	-33°431	+32°372	-3	...	...
...	52°118	+21°071	1°70	46.4629	9°0	...	42°639	-7°320	-1	46.4640	10°2	...	33°223	-31°164	-1	47.4351	10°2	
...	52°080	+43°416	-3	...	...	...	42°377	-39°034	-5	...	...	...	32°953	+36°159	-4	...	...
...	51°967	+54°444	-4	...	...	...	41°730	+26°929	-4	...	...	...	32°889	-17°621	0°70	47.4352	10°0
...	51°911	-47°821	0°90	47.4316	9°8	...	41°597	+33°557	-1	46.4642	10°2	*	32°848	+36°659	1°00	46.4655	9°8	
...	51°725	+40°414	-5	...	...	...	41°514	-48°746	1°80	47.4334	8°8	...	32°847	+28°074	-5	...	...
...	51°458	-33°386	1°70	47.4317	9°0	...	41°330	-17°258	-1	...	...	...	32°732	+30°913	-3	...	...
...	51°207	+2°032	-3	46.4630	10°2	...	41°102	-41°600	-5	...	...	...	32°401	-38°937	-4	...	...
...	51°154	+1°525	-4	...	...	...	41°062	-35°332	-1	47.4336	10°0	...	32°393	+19°501	-2	...	...
...	51°025	-6°870	1°20	46.4631	9°4	...	40°843	+13°627	-5	...	...	...	32°064	+5°216	-4	...	...
51						111						171						
...	-51°006	-19°726	-1	47.4318	10°2	...	-40°835	+11°768	0°85	46.4643	9°9	...	-31°943	-23°271	-3	47.4353	10°2	
...	50°782	-22°469	0°75	47.4319	9°8	...	40°616	-23°991	0°90	47.4337	9°7	...	31°782	+17°700	-2	46.4656	10°2	
...	50°672	-3°563	-5	...	...	...	40°471	-23°983	0°90	47.4344	10°2	*	31°650	+4°138	-4	...	...
...	50°513	-31°463	-1	47.4320	10°2	...	40°461	+14°283	-2	46.4644	10°2	*	31°373	+31°351	0°90	46.4657	9°8	
...	50°317	+51°705	-3	...	...	...	40°232	-25°444	-4	...	...	...	31°312	-58°607	-2	...	...
...	-50°237	+11°336	-4	...	...	...	-39°744	+15°241	-3	...	...	...	-31°193	-58°667	0°90	47.4354	9°7
...	49°954	+59°687	-5	45.4765	10°2	...	39°737	+52°569	-4	...	...	...	30°720	-19°768	-1	47.4355	10°2
...	49°816	-9°176	-2	...	...	*	39°662	+44°130	1°15	46.4646	9°8	...	30°538	+0°803	-3	46.4658	10°2
...	49°660	-39°459	1°35	47.4321	9°4	...	39°662	+40°768	0°90	46.4645	10°0	...	30°431	+56°700	-5	A	...	
...	49°516	+43°116	-5	46.4632	10°2	*	39°644	-54°204	1°05	47.4338	9°8	...	30°350	-46°937	-4	...	...

L measured from 1, 57, 116, 181

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
181-240																			
181	-29° 747	-41° 200	0° 95	°	...	241	-19° 126	-44° 846	-2	47.4372	10° 2	301	-8° 546	+3° 597	-5	°	...		
*	29° 658	-20° 074	3° 00	47.4357	8° 1	†	18° 581	-29° 857	-1	...	...	...	8° 422	+5° 754	-5	m	...
...	29° 556	-7° 673	-5	...	...	...	18° 444	-9° 825	-5	...	...	...	8° 405	-3° 481	1° 00	46.4690	9° 8
...	29° 487	-57° 023	-2	...	...	...	17° 785	+30° 348	-3	...	...	...	8° 261	+38° 997	-4	...	...
...	29° 451	+18° 362	0° 70	...	...	*	17° 771	+6° 216	1° 10	46.4675	9° 6	...	8° 124	-11° 760	1° 00	47.4386	9° 8
...	29° 420	-17° 815	-3	47.4358	10° 2	...	17° 488	+31° 309	-5	...	...	...	7° 884	+32° 328	0° 65	...	...
...	29° 301	+39° 205	-5	...	...	...	17° 295	-56° 060	-5	...	...	...	7° 819	-59° 211	-5	...	...
...	29° 241	+23° 835	-4	...	...	...	17° 098	+2° 901	-5	...	...	*	7° 420	+59° 524	1° 00	45.4815	10° 0
*	29° 073	-23° 654	3° 60	47.4360	8° 0	...	16° 658	-18° 508	0° 70	...	...	...	7° 154	-7° 523	-4	...	...
...	29° 039	+26° 496	-5	...	...	...	16° 518	+32° 064	-5	...	...	*	7° 094	-32° 502	2° 00	47.4387	8° 8
191	* -28° 952	-40° 047	1° 10	47.4359	9° 6	...	-16° 480	-45° 659	-2	...	...	...	-6° 858	+21° 065	-5	m	...
...	28° 539	-31° 113	-5	...	...	...	16° 331	+1° 465	-3	...	...	...	6° 838	+54° 729	-4	45.4818	10° 2
...	28° 341	-55° 569	-5	...	...	...	15° 739	+47° 791	-5	...	...	...	6° 760	+55° 930	-1	45.4819	10° 2
...	27° 934	+50° 756	-5	...	...	*	15° 561	+12° 619	2° 00	46.4676	8° 8	...	6° 350	-38° 027	-4	...	...
...	27° 821	-6° 605	-4	46.4659	10° 2	...	15° 558	+6° 433	-2	...	...	...	6° 172	-39° 342	0° 90	47.4388	10° 0
...	27° 728	+33° 785	-2	46.4660	10° 2	...	-15° 452	-10° 002	-5	...	...	...	-6° 169	-47° 885	-5	...	...
...	27° 727	-23° 407	-3	...	...	†	15° 190	+22° 851	-5	...	...	...	5° 968	+24° 451	-4	...	...
...	27° 508	-48° 443	-1	47.4361	10° 2	...	15° 076	-8° 934	-4	...	...	...	5° 733	-25° 023	0° 70	47.4389	10° 2
...	27° 477	+27° 365	0° 90	46.4661	10° 0	...	15° 004	-56° 448	-2	...	...	...	5° 586	-8° 442	-5	m	...
...	27° 323	-44° 597	-5	...	...	...	14° 983	+56° 564	-4	...	...	...	5° 466	+2° 303	-5	m	...
201	* -27° 212	+8° 374	1° 10	46.4662	9° 6	...	-14° 848	-50° 262	-3	...	...	...	-5° 364	+20° 319	0° 80	46.4691	10° 0
...	26° 741	-23° 343	-5	...	...	...	14° 629	+15° 149	-2	...	...	†	5° 276	+46° 734	-3	46.4692	10° 2
...	26° 676	-9° 795	-5	...	...	...	14° 298	-4° 483	-3	46.4677	10° 2	...	5° 135	+33° 242	0° 90	46.4693	9° 6
...	26° 516	+45° 591	0° 90	46.4663	10° 0	...	14° 001	+24° 335	0° 90	46.4678	9° 8	...	4° 990	+7° 787	0° 90	46.4694	9° 7		
...	26° 355	+30° 053	-5	...	...	...	13° 729	+29° 154	-4	...	...	...	4° 963	-16° 777	0° 85	47.4390	9° 8
S*	25° 887	+15° 710	2° 90	46.4664	7° 9	...	13° 444	-23° 805	-5	...	...	...	4° 436	+27° 194	-5	...	...
†	25° 299	+42° 184	1° 00	46.4665	9° 9	...	13° 406	-6° 750	0° 80	46.4679	9° 9	...	4° 436	+11° 654	0° 85	46.4695	9° 9		
...	24° 748	-15° 482	0° 90	47.4363	9° 9	...	13° 359	-45° 032	-3	...	...	...	4° 259	-30° 854	-4	m	...
...	24° 692	+48° 653	-4	...	...	...	13° 122	+27° 498	-4	...	...	...	4° 138	-15° 328	-4	m	...
211	...	-24° 467	+41° 259	-1	46.4666	10° 2	...	-12° 840	+40° 387	-1	46.4680	10° 0	331	S*	-3° 811	+51° 864	3° 00	46.4696	7° 9
...	24° 435	-24° 247	0° 65	47.4364	10° 0	*	12° 550	+2° 781	1° 40	46.4681	9° 2	...	3° 736	+57° 796	-2	45.4828	10° 2		
...	24° 323	-23° 999	-3	...	...	...	12° 431	-0° 899	0° 75	46.4682	9° 9	...	3° 560	+0° 379	-4	Fm	...
...	24° 315	-50° 601	-5	...	...	...	12° 357	-35° 271	0° 85	47.4377	10° 0	...	3° 487	-42° 610	-5	m	...
*	-24° 198	+20° 487	0° 75	46.4667	9° 9	...	-11° 938	+50° 533	-1	46.4683	10° 2	...	3° 438	+11° 399	-4	...	...
...	23° 724	-25° 556	-2	47.4367	10° 2	...	11° 880	+1° 899	-3	...	...	...	3° 398	-44° 573	-5	...	...
...	23° 724	-53° 218	0° 90	47.4365	9° 9	...	11° 665	+57° 533	-4	...	...	...	2° 971	+13° 043	-3	46.4697	10° 2
...	23° 692	-24° 163	-2	47.4366	10° 0	...	11° 485	+8° 436	-3	46.4684	10° 2	*	2° 436	-38° 565	0° 80	47.4391	10° 2		
...	23° 604	-43° 610	-3	...	...	*	11° 351	-45° 074	1° 00	47.4380	9° 8	...	2° 283	-59° 441	1° 40	47.4392	9° 4
221	...	-23° 317	-42° 786	-5	...	...	-11° 320	+51° 888	-2	46.4685	10° 2	341	-2° 173	+55° 625	-4	...	...
...	23° 044	-23° 994	-5	...	...	...	11° 189	+28° 848	0° 90	46.4686	9° 8	...	1° 875	-33° 844	-3	...	...
...	22° 965	+59° 445	-4	45.4796	10° 2	*	11° 148	+49° 515	1° 00	46.4687	9° 7	...	1° 866	-22° 467	0° 80	47.4393	10° 2		
*	22° 907	+8° 916	0° 90	46.4669	9° 9	*	11° 144	-17° 013	1° 20	47.4381	9° 4	S*	1° 861	-7° 177	1° 70	46.4698	8° 9		
...	22° 704	-26° 052	0° 90	47.4368	9° 8	...	11° 052	-31° 894	-3	...	...	...	1° 555	+25° 336	-1	46.4699	10° 2
...	-22° 642	+14° 660	-4	...	...	...	-10° 900	+26° 643	-4	...	...	...	1° 536	-14° 453	-1	47.4394	10° 0
...	22° 508	+28° 535	-2	46.4670	10° 0	...	10° 754	+57° 151	-1	45.4810	10° 2	...	1° 368	+44° 592	-2	46.4700	10° 2		
...	21° 846	+22° 581	-4	...	...	...	10° 684	-42° 193	-5	...	...	...	1° 275	+17° 210	0° 90	46.4701	9° 9
...	21° 396	-53° 688	-5	...	...	...	10° 420	-45° 454	-5	...	...	...	1° 234	-31° 314	-5	m	...
...	20° 962	+31° 545	0° 70	46.4671	10° 2	...	10° 397	-17° 172	-1	47.4382	10° 2	...	1° 060	+9° 862	-4	...	...
231	...	-20° 931	+17° 317	-4	...	*	-9° 556	-37° 101	1° 00	47.4383	9° 9	...	-0° 948	+44° 392	-5	...	...
...	20° 741	+8° 475	0° 75	46.4672	10° 2	...	9° 494	-51° 115	-4	...	...	...	0° 858	-10° 676	-3	...	...
†	20° 592	-44° 849	-2	47.4370	10° 2	*	9° 348	+15° 856	1° 05	46.4688	9° 6	...	0° 488	-33° 012	-2	47.4396	10° 2		
...	20° 439	-56° 189	-5	...	...	...	9° 199	-38° 993	-3	...	...	...	0° 425	-53° 321	0° 65	47.4395	10° 2
S†	20° 063	-22° 203	3° 00	47.4371	8° 0	...	9° 060	-49° 461	-5	...	...	...	0° 306	+44° 538	-3	...	...
...	-19° 964	+51° 225	0° 95	46.4673	9° 9	*	-9° 041	-23° 959	1° 00	47.4384	9° 8	...	-0° 273	-52° 767	-5	m	...		
...	19° 898	+19° 710	-4	...	...	...	9° 039	+23° 549	-5	...	...	...	0° 250	+38° 202	-5	...	...
...	19° 369	-1° 257	0° 70	46.4674	10° 2	...	8° 941	-48° 160	-4	...	...	...	-0° 143	+42° 973	0° 90	46.4702	10° 0
...	19° 357	+25° 454	-4	...	...	*	8° 709	+15° 388	1° 00	46.4689	9° 6	...	+0° 120	+20° 542	-5	...	...
*	19° 197	-42° 414	6° 00	47.4373	5° 7	...	8° 562	-49° 935	-1	47.4385	10° 0	...	0° 188	+18° 647	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
361-420						421-480						481-540						
361	+ 0·552	- 14·736	- 5	° m	...	421	+ 9·928	- 51·768	- 5	°	...	481	+ 18·893	- 7·270	- 5	° m	...	
...	+ 0·565	+ 8·509	- 5	...	...	...	+ 9·959	- 19·902	- 5	a	...	...	+ 18·916	- 19·847	- 4	...	...
...	+ 0·602	- 34·493	0·90	47.4397	10·0	...	10·005	+ 4·448	0·65	46.4721	9·9	...	19·060	+ 32·583	- 2	46.4737	10·2	
...	+ 0·850	- 16·058	- 5	...	...	...	10·091	- 13·104	- 5	...	...	...	19·123	+ 31·231	- 3	...	...
*	1·008	- 31·098	1·00	47.4398	9·8	...	10·243	- 4·957	- 5	b	...	...	19·245	- 29·530	0·80	47.4426	9·9
...	+ 1·018	+ 52·471	- 4	...	...	...	+ 10·353	+ 13·063	0·75	46.4722	9·9	*	+ 19·264	- 30·827	1·90	47.4425	8·9
*	1·077	- 41·753	1·10	47.4399	9·5	...	10·523	- 36·165	- 5	b	...	...	19·307	+ 20·092	0·90	46.4738	9·8
...	1·495	+ 42·619	- 4	...	...	...	10·628	- 10·012	- 3	...	...	...	20·115	+ 33·574	- 5	...	...
*	1·674	+ 49·325	1·10	46.4703	9·4	...	10·795	+ 56·777	- 1	45.4842	10·2	*	20·129	+ 49·726	1·15	46.4739	9·5	
...	1·825	- 41·150	0·95	47.4401	10·0	...	10·799	- 1·072	- 4	46.4723	10·0	*	20·202	- 0·438	1·00	46.4740	9·9	
371	+ 1·870	+ 22·091	- 3	...	...	...	+ 10·958	- 0·348	- 1	46.4725	10·0	...	+ 20·566	- 52·213	- 5	...	...
...	2·018	- 49·271	- 1	47.4402	10·0	*	11·039	+ 21·064	2·00	46.4724	9·0	*	21·106	+ 57·457	1·25	45·4853	9·4	
...	2·376	- 46·716	- 1	47.4403	10·2	...	11·292	- 37·733	- 2	47.4416	10·2	*	21·155	+ 23·557	1·25	46·4741	9·2	
*	2·471	- 29·112	1·00	47.4404	9·8	...	11·668	+ 31·612	1·00	46.4726	9·8	...	21·174	+ 3·609	- 4	...	...
...	2·762	+ 39·436	- 5	...	...	...	11·882	+ 49·744	- 1	46.4727	9·9	*	21·300	- 32·838	1·15	47·4427	9·4
...	+ 3·135	- 3·575	- 3	...	...	...	+ 12·041	+ 31·142	0·80	46.4728	10·2	...	+ 21·348	+ 23·891	- 5	...	...
...	3·522	- 10·336	- 4	...	...	...	12·641	+ 25·318	- 4	...	...	...	21·371	+ 23·604	- 5	...	...
...	3·529	- 57·452	- 5	...	...	...	12·659	+ 36·319	0·85	46.4729	10·0	*	21·417	+ 45·647	1·00	46·4742	9·6
...	3·648	+ 1·921	- 4	...	...	...	12·809	- 57·082	- 4	...	...	...	21·543	- 32·257	- 2	...	...
...	3·788	+ 34·188	- 4	...	...	...	12·846	- 13·523	0·90	47.4417	10·0	...	21·546	- 7·058	- 5	m	...
381	+ 3·868	+ 59·631	- 1	45·4836	10·2	...	+ 13·004	- 42·019	- 1	501	* + 22·266	- 32·266	1·00	47·4428	9·7
*	3·977	+ 22·735	1·25	46·4704	9·2	...	13·116	+ 40·433	- 4	...	...	...	22·298	- 32·553	- 2	47·4429	10·2
...	4·050	+ 5·785	- 4	...	...	...	13·500	- 40·296	0·70	47.4418	10·2	...	22·515	- 27·429	- 5	b	...
*	4·055	+ 34·429	1·05	46·4705	9·5	...	13·653	+ 32·224	- 4	...	...	...	22·658	- 15·264	0·90	47·4430	9·9
...	4·084	+ 28·841	- 5	...	...	...	13·962	- 10·942	- 4	a	...	...	22·999	- 22·685	- 4	...	...
*	+ 4·177	+ 6·107	1·20	46·4706	9·4	...	+ 14·123	- 6·205	- 5	m	...	...	+ 23·759	+ 36·529	- 5	...	...
...	4·236	- 19·486	- 5	m	...	...	14·163	- 24·637	- 5	m	...	...	23·993	+ 22·810	0·85	46·4743	10·2
+	4·650	- 39·075	1·00	47.4406	9·7	...	14·275	- 25·428	- 5	m	...	...	24·047	- 58·916	- 5	b	...
...	4·912	+ 23·508	- 3	...	...	...	14·619	+ 37·703	- 4	...	...	...	24·071	- 32·757	- 5	a	...
...	4·916	+ 40·098	0·75	46·4707	9·9	...	15·027	- 19·857	- 3	...	...	...	24·730	+ 26·764	- 4	...	...
391	+ 5·063	+ 48·696	1·70	46·4709	9·0	...	+ 15·041	+ 0·405	- 4	α	511	+ 24·772	+ 16·436	- 5
...	5·076	+ 51·678	- 1	46·4708	10·2	...	15·055	+ 11·751	- 5	...	...	...	25·099	- 35·143	- 2	...	...
...	5·091	- 40·950	- 2	47.4407	10·2	...	15·336	+ 12·530	- 1	46.4730	10·2	...	25·107	+ 26·955	- 3	...	...
...	5·170	- 26·509	- 4	...	...	...	15·444	+ 4·745	- 5	...	...	...	25·562	+ 51·041	- 2	46·4744	10·2
S+	+ 6·077	- 49·757	1·45	47.4408	9·4	...	+ 15·713	+ 33·146	- 5	...	...	...	+ 25·898	+ 44·506	- 2	47·4431	10·0
...	6·125	+ 21·648	- 1	46·4711	10·0	...	15·722	+ 38·924	- 2	46.4731	10·2	...	26·029	+ 11·836	- 4	...	...
...	6·356	- 37·047	- 2	...	...	*	15·916	- 30·208	3·00	47.4419	8·3	...	26·227	- 52·039	- 5	b	...
*	6·837	+ 19·898	1·20	46·4712	9·4	...	15·945	- 37·845	- 5	b	...	...	26·262	+ 36·832	0·80	46·4746	9·9
...	7·022	+ 49·751	- 2	46·4713	10·0	...	15·957	+ 7·495	- 1	46.4732	10·0	...	26·571	- 27·920	0·75	47·4432	10·2	
401	+ 7·094	+ 42·215	0·95	46·4714	9·7	...	+ 16·078	+ 13·977	- 4	521	+ 26·993	- 59·561	- 4
*	7·265	- 32·841	2·00	47.4410	8·7	*	16·269	+ 44·409	1·20	46.4733	9·4	...	27·061	+ 32·333	- 2	46·4747	10·2	
...	7·338	+ 25·280	- 4	...	...	...	16·272	+ 4·720	- 5	...	...	...	27·203	- 21·903	- 3	b	...
*	7·345	- 19·594	0·95	47.4409	9·8	...	16·418	+ 33·334	- 1	...	...	...	27·306	- 34·631	0·85	47·4433	9·9
...	7·969	- 19·369	0·80	47.4411	9·9	...	16·481	- 24·337	- 4	...	...	...	27·568	- 37·444	- 4	b	...
*	+ 8·006	+ 25·255	1·20	46·4715	9·2	*	+ 16·614	- 38·164	1·00	47.4420	9·4	...	+ 27·876	- 55·569	- 1	47·4434	9·9	
...	8·035	- 36·851	- 1	47.4412	10·2	...	17·060	- 43·444	0·65	47.4422	10·0	...	27·885	- 40·229	- 4	...	...
...	8·162	+ 11·546	- 1	46·4716	10·2	...	17·080	- 33·090	- 5	...	...	...	28·045	- 27·768	- 5	b	...
...	8·409	- 55·694	- 5	...	...	...	17·205	+ 16·578	- 5	...	...	...	28·062	+ 27·631	- 2	46·4748	10·2
...	8·463	- 50·823	- 5	m	...	...	17·210	- 35·326	- 1	47.4423	10·2	...	28·089	- 32·188	- 4	...	...
411	+ 8·551	- 42·687	- 2	47.4413	10·2	...	+ 17·449	+ 50·837	- 4	531	+ 28·403	- 44·214	- 3
...	8·973	+ 15·497	- 5	...	...	...	17·510	- 18·329	- 1	...	...	...	28·448	- 57·247	0·80	47·4435	9·9
...	9·062	+ 4·801	- 2	46·4718	10·2	...	17·767	+ 18·023	- 5	...	...	...	28·851	- 31·680	- 2	47·4436	10·2
...	9·091	+ 33·169	0·75	46·4717	9·8	...	18·146	+ 20·258	- 4	...	...	*	28·895	- 52·842	1·10	47·4437	9·5
...	9·150	- 6·075	- 5	b	...	...	18·422	+ 35·324	- 3	...	...	...	29·202	+ 44·511	- 2	46·4749	10·0
...	+ 9·288	+ 58·779	- 3	45·4838	10·2	...	+ 18·508	+ 11·776	- 2	46.4735	10·2	S*	+ 29·243	+ 58·482	1·25	45·4864	9·2	
*	9·299	+ 32·767	2·00	46·4719	8·6	...	18·514	+ 28·910	0·95	46.4734	9·8	...	29·254	+ 27·454	- 4	...	...
...	9·399	- 24·433	- 1	47.4414	10·2	...	18·539	+ 23·458	- 5	...	...	...	29·281	+ 15·646	- 4	...	...
...	9·528	+ 36·703	- 2	...	...	...	18·541	- 19·605	- 4	...	...	...	29·653	+ 27·569	0·75	46·4752	10·0
S*	9·916	+ 21·663	3·90	46·4720	7·6	...	18·654	+ 16·869	- 1	46.4736	10·0	...	29·672	+ 34·544	- 2	46·4750	10·0	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
541-600																	
541	+29·698	+37·120	- 2	46·4751	10·2	601	* +39·232	-23·348	0·95	47·4448	9·7	661	+49·896	-10·777	- 4	° ...	...
*	29·815	+35·181	1·25	46·4753	9·4	...	39·486	+18·094	- 4	...	...	...	50·027	+39·146	- 2	46·4792	10·2
...	30·491	-23·807	- 4	b	...	...	39·723	+22·912	0·90	46·4777	10·0	...	50·365	+21·667	- 5	...	...
...	30·604	+10·855	- 3	...	...	N b	39·729	- 5·405	- 5	46·4778	10·2	...	50·739	+31·516	- 5	...	...
†	30·653	+44·973	- 5	...	...	...	40·260	+ 8·351	- 5	...	...	S *	50·971	+44·519	1·30	46·4794	9·4
...	+30·727	-23·697	- 4	a	...	...	+40·360	-33·262	- 5	b	...	...	+51·460	-31·919	- 5	...	...
...	30·741	+17·927	0·85	46·4754	10·0	...	40·375	+27·071	- 5	...	...	...	51·587	- 0·926	- 3	e	...
...	31·013	+19·417	- 2	46·4756	10·2	...	40·493	+12·715	- 3	...	...	...	51·796	+13·988	- 4	...	...
*	31·020	+30·587	2·00	46·4755	8·8	...	40·623	+46·758	- 4	...	...	...	52·288	+14·893	- 4	...	...
...	31·050	+14·842	- 2	46·4757	10·2	...	40·659	-45·947	- 5	...	...	...	52·485	-18·632	- 5	b	...
551	+31·322	+20·644	- 5	...	...	611	* +40·824	-20·625	1·05	47·4449	9·7	671	+52·741	+ 2·386	- 3	...	...
*	31·467	+18·075	3·00	46·4758	8·3	*	41·066	+41·825	1·35	46·4779	9·2	...	53·068	+31·079	- 5	...	...
...	31·519	+ 9·476	0·90	46·4759	9·9	...	41·072	-23·216	- 3	...	...	...	53·136	- 2·949	- 3	e	...
...	31·543	+14·690	- 5	...	...	*	41·087	-38·909	1·20	47·4451	9·4	...	53·594	+19·816	- 5	...	...
...	31·596	- 2·766	- 2	...	...	...	41·243	- 8·711	- 4	...	...	...	53·603	+56·278	1·15	45·4889	9·7
...	+31·835	+ 1·618	- 5	...	...	*	+41·703	+20·982	1·25	46·4780	9·2	*	+53·629	-32·663	1·25	47·4462	9·4
...	32·279	-43·600	- 5	b	...	...	41·769	-14·283	- 5	...	...	...	54·216	-23·902	- 2	...	...
...	32·329	+27·921	0·70	46·4761	10·2	...	42·322	+34·399	- 2	...	...	...	54·420	-15·026	- 1	47·4463	10·2
...	32·351	+14·248	- 3	...	...	*	42·400	+40·723	1·30	46·4781	9·2	...	54·751	-44·983	- 5	a	...
...	32·544	+48·902	- 2	46·4760	10·2	...	42·434	+56·656	- 5	...	...	...	54·882	- 6·851	- 5	b	...
561	+32·599	-38·331	1·00	47·4439	9·9	621	+42·452	- 0·019	- 4	δ	...	681	+55·569	-16·822	- 4	47·4464	10·2
...	32·614	+35·073	0·90	46·4762	10·0	...	42·525	+ 8·848	- 5	...	...	...	55·578	+48·650	- 5	46·4795	10·2
...	32·614	+ 7·153	- 5	...	...	...	42·649	-13·477	- 2	47·4452	10·2	...	55·779	+26·122	- 3	...	...
...	32·776	-37·107	- 4	...	...	...	42·681	+ 7·230	- 4	...	...	...	56·030	-46·999	- 5	...	...
...	32·913	-51·697	1·00	47·4440	9·8	...	42·734	+10·726	0·95	46·4782	9·9	...	56·144	- 1·575	- 2	46·4797	10·2
...	+33·162	+34·499	0·90	46·4763	9·9	*	+42·758	-32·338	1·10	47·4453	9·6	...	+56·197	-15·640	- 3	47·4465	10·2
...	33·679	-48·273	- 2	47·4441	10·2	*	43·798	+28·568	1·30	46·4783	9·4	...	56·213	+40·232	0·85	46·4796	9·9
...	33·738	+31·462	- 2	...	...	...	43·868	+15·790	- 4	...	...	...	56·281	+45·821	- 5	...	...
*	33·760	+43·106	1·05	46·4764	9·6	...	44·028	+34·570	- 5	...	...	...	56·692	- 1·521	- 3	46·4799	10·2
...	34·132	-19·451	- 1	47·4442	10·2	...	44·411	+18·588	- 2	46·4784	10·2	...	56·936	- 4·492	- 3	46·4801	10·2
571	+34·169	+ 5·594	0·95	46·4765	9·9	631	+44·885	- 2·767	- 5	b	...	691	+57·141	+21·069	0·90	46·4798	9·8
...	34·255	+59·781	- 5	...	...	...	45·195	+29·287	- 4	...	...	...	57·343	-20·829	- 4	...	...
...	34·301	+33·190	- 5	...	...	...	45·333	-49·445	- 2	47·4454	10·2	*	57·362	-30·362	1·00	47·4466	9·4
...	34·326	-35·178	- 2	47·4443	10·2	...	45·445	+52·789	0·90	45·4881	9·7	...	57·366	+ 9·588	- 2	46·4800	10·2
†	34·366	+ 5·095	- 5	...	...	...	45·614	+ 9·121	- 5	...	...	...	57·534	- 5·699	- 5	b	...
...	+34·874	-16·173	- 1	47·4444	10·2	S *	+45·757	-43·220	2·00	47·4455	8·6	...	+57·715	+ 7·105	- 1	46·4803	9·9
...	35·160	+53·038	- 1	45·4874	9·9	...	45·833	+ 3·336	0·70	46·4785	10·0	...	57·969	-19·084	- 5	a	...
...	35·320	+34·837	- 3	...	...	...	46·081	+57·064	- 4	45·4883	10·2	...	57·977	+17·640	- 1	46·4802	10·2
...	35·345	-11·050	- 4	...	...	...	46·091	+58·130	- 1	45·4882	9·7	...	58·491	-37·749	- 4	...	...
...	35·880	+49·812	0·80	46·4766	9·9	...	46·665	+ 3·548	- 4	...	...	...		
581	+35·956	- 5·036	0·75	46·4768	9·8	641	+46·692	-46·989	- 4	...	...	...		
...	36·000	+40·601	- 2	46·4767	10·2	...	46·959	-39·621	0·90	47·4457	9·9	...					
...	36·503	+59·321	- 2	45·4876	10·0	...	46·979	+44·725	- 2	46·4786	10·2	...					
*	36·532	+40·154	1·00	46·4769	9·4	†	47·003	+29·926	- 2	46·4787	10·2	...					
...	36·639	-57·997	- 4	...	...	...	47·135	+46·479	- 5	...	...	...		
*	+36·734	+21·235	1·00	46·4770	9·6	...	+47·234	-32·735	0·75	47·4458	10·0	...					
...	36·906	-11·874	- 3	...	...	...	47·509	-47·974	- 3	47·4459	10·2	...					
...	37·064	+36·614	- 5	...	...	...	48·105	+ 4·454	0·75	46·4790	10·0	...					
...	37·122	+46·086	- 3	46·4771	10·2	†	48·144	-29·895	- 5	b	...	...			
...	37·635	+18·818	- 2	46·4772	10·2	...	48·184	+35·101	0·75	46·4788	9·9	...					
591	+37·829	-35·328	- 2	47·4446	10·2	S *	+48·327	+ 9·613	1·50	46·4791	9·0	...					
...	38·181	+43·665	- 5	...	...	...	48·592	+55·587	- 5	...	...	...		
*	38·375	+12·745	1·35	46·4773	9·2	...	48·671	+39·434	- 5	...	...	...		
...	38·403	+36·096	- 4	...	...	...	48·767	+47·610	- 3	46·4789	10·0	...					
...	38·476	-23·713	- 4	...	...	...	48·767	+23·461	- 5	...	...	...		
...	+38·659	-25·644	- 5	a	...	...	+48·838	+11·342	- 5	...	...	...		
...	38·765	+21·934	- 2	46·4774	10·2	*	48·877	-51·289	1·40	47·4460	9·5	...					
*	38·798	+19·116	1·20	46·4775	9·2	e	49·274	- 0·420	0·65	46·4793	10·2	...					
...	38·966	+20·879	- 5	...	...	...	49·434	+53·678	- 1	45·4885	10·0	...					
...	39·196	+35·632	0·90	46·4776	9·7	...	49·871	+24·074	- 5	...	...	...		

604. 48°·65, on réseau; not measurable.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	§	No.	Mag.		x.	y.	§	No.	Mag.		x.	y.	§	No.	Mag.
1-60																	
I	-59°428	+28°330	1°05	46°4783	9·4	61	-38°294	-46°206	-5	°	...	121	-26°165	+22°930	-5	°	...
*	59°251	-13°730	-5	47.4452	10·2	R	38°244	+23°381	-5	...	...	...	25°967	+23°330	0·80	46.4830	9·9
...	58°575	+52°601	-4	45.4881	9·7	...	37°511	+40°159	-3	46.4807	10·0	...	25°961	-2·881	-4	46.4829	10·2
*	58°533	-32°586	1°00	47.4453	9·6	...	37°439	+54°560	-5	45.4903	10·2	...	25°948	+32°999	-5	...	...
...	58°511	+18°369	-5	46.4784	10·2	*	37°373	+3°767	2·50	46.4805	8·2	...	25°687	+26°919	-3	46.4831	10·0
...	-58°094	+57°946	-5	45.4882	9·7	...	-37°342	+43°280	-5	46.4808	10·0	*	-25°593	-20°402	1°30	47.4482	8·7
R	56°778	+44°580	-5	46.4786	10·2	...	37°260	+5°935	-5	46.4806	10·2	*	25°440	-12°440	1°40	47.4483	8·7
...	56°604	+3°174	-3	46.4785	10·0	...	37°208	-14°214	-5	...	...	R	25°232	+15°981	-5	...	...
...	56°272	+29°800	-5	46.4787	10·2	R	37°187	+29°010	-5	...	...	...	25°181	+46°053	-4	46.4832	10·2
...	55°428	-49°604	-5	47.4454	10·2	...	37°175	-44°382	-5	...	...	†	25°014	-44°622	-5	47.4484	10·2
II	61-120																
†	-55°267	+34°991	-5	46.4788	9·9	71	-36°921	-4°453	-3	46.4809	10·0	†	-24°956	-26°800	-3	47.4485	9·8
S*	55°186	-43°361	2·05	47.4455	8·6	*	36°600	+10°172	1°00	46.4810	9·6	R	24°772	+47°764	-5	...	...
R	55°073	+47°517	-5	46.4789	10·0	...	35°776	+17°376	-5	...	...	...	24°320	-33°266	0·65	47.4486	9·7
...	54°610	+53°607	-5	45.4885	10·0	...	35°486	-3°380	-5	46.4811	10·2	...	24°113	-39°261	-5	A	...
S*	54°376	+4°364	-3	46.4790	10·0	*	35°431	-25°975	1°25	47.4471	9·0	...	23°996	-54°367	-5	47.4487	10·2
†	-54°296	+9°520	1°30	46.4791	9·0	†	-35°094	+25°044	-3	46.4812	9·9	...	-23°728	+46°265	-4	46.4834	10·2
...	54°121	-39°711	-2	47.4457	9·9	...	34°788	+1°877	-2	46.4813	10·2	...	23°718	+3°513	-3	46.4833	10·2
R	54°061	-32°839	-3	47.4458	10·0	R	34°622	+35°937	-5	...	...	...	23°573	+37°259	-5	...	...
...	53°567	+39°119	-5	46.4792	10·2	...	34°057	+17°435	-4	...	...	...	23°428	+36°337	-4	46.4835	10·0
...	53°304	-48°050	-5	47.4459	10·2	...	33°452	-3°092	-4	46.4814	10·2	...	23°378	-44°055	-4	47.4488	10·2
21	81																
E	-53°055	-0°470	-3	46.4793	10·2	...	-33°080	-56°952	-4	47.4472	10·2	N	-22°600	+59°834	-3	45.4922	9·8
S*	52°777	+44°500	1·10	46.4794	9·4	R	33°041	+53°479	-5	45.4905	10·2	...	22°593	-30°082	0·70	47.4489	9·7
*	51°831	-51°319	1·10	47.4460	9·5	*	32°749	+13°075	1°00	46.4815	9·6	...	22°463	+38°795	-4	46.4836	10·2
...	50°989	+14°004	-5	...	...	R†	32°591	+25°051	-5	...	...	...	22°282	-33°393	-5	...	...
...	50°704	-0°899	-5	E	...	...	32°398	-38°154	-2	47.4473	10·0	...	22°066	+30°744	-5	...	...
...	-50°533	+14°921	-5	...	...	...	-32°083	+7°380	-5	...	...	...	-22°062	-4°624	-5	B	...
...	50°523	+56°338	-4	45.4889	9·7	R	32°040	+26°883	-5	...	...	*	21°767	+15°285	1·00	46.4837	9·2
...	50°252	+31°146	-5	...	...	...	31°768	-28°113	-4	47.4474	10·2	...	21°501	+41°253	0·90	46.4838	9·7
...	49°672	+2°443	-5	...	...	...	31°225	+49°578	-3	46.4816	10·0	...	21°381	-23°988	-5	...	...
...	49°111	-2°874	-5	E	...	...	31°182	-44°155	-5	B	...	...	21°352	-20°048	-5	...	...
31	91																
R	-48°290	+48°772	-5	46.4795	10·2	*	-30°931	-36°325	1°30	47.4475	9·2	...	-21°199	+55°834	-5	45.4923	10·0
*	47°676	-32°549	1·05	47.4462	9·4	...	30°921	-25°670	0·80	47.4476	9·8	*	20°860	+46°148	1·20	46.4839	9·4
†	47°434	-14°906	-3	47.4463	10·2	...	30°781	+35°514	-4	46.4818	10·0	...	20°767	-48°200	-3	47.4490	10·2
...	47°408	+40°381	-3	46.4796	9·9	...	30°583	+14°322	-3	46.4817	10·0	...	20°582	-56°380	-1	47.4491	9·9
...	47°367	-23°780	-5	...	...	...	30°126	-36°176	0·95	47.4477	9·7	†	19°983	-6°563	-5	46.4840	10·2
...	-46°230	-16°675	-5	47.4464	10·2	...	-30°091	-26°395	-5	...	...	...	-19°878	-5°340	-4	...	...
...	46°138	-1·398	-2	46.4797	10·2	...	29°709	+26°391	-5	...	...	†	19°737	-4°942	0·65	46.4841	10·0
...	45°868	+21°249	0·75	46.4798	9·8	...	29°680	+37°124	-5	46.4820	10·2	...	19°703	+47°747	-5	46.4842	10·2
...	45°631	-15°474	-2	47.4465	10·2	...	29°574	+12°731	0·70	46.4819	9·9	...	18°959	-42°559	-5	...	...
...	45°592	-1·328	-4	46.4799	10·2	...	29°485	-15°070	-2	47.4478	9·9	*	18°848	+22°668	1·00	46.4843	9·4
41	101																
...	-45°276	+9°791	-4	46.4800	10·2	...	-29°321	-8°798	-5	...	...	...	-18°446	-48°830	-1	47.4492	10·0
...	45°263	-4°294	-2	46.4801	10·2	*	29°314	-6°489	1·20	46.4821	9·0	...	18°353	+22°310	-5	...	...
†	44°937	+17°855	-3	46.4802	10·2	R†	29°239	+10°002	-5	...	...	...	18°240	+27°218	0·80	46.4844	9·9
†	44°837	+7°322	-4	46.4803	9·9	...	28°908	+52°209	-5	45.4913	10·0	...	17°626	+7°532	0·80	46.4845	10·0
R	44°554	+58°754	-5	45.4895	10·2	...	28°570	+22°766	-3	46.4823	10·2	...	17°615	-56°612	-5	47.4493	10·2
*	-44°005	-30°131	1·00	47.4466	9·4	†	-28°569	-59°703	-5	...	...	...	-17°234	+53°904	-5	45.4926	10·2
R	43°171	+45°857	-5	...	...	...	28°444	+4°368	-4	46.4822	10·0	...	16°734	-38°202	-4	47.4494	10·2
R	42°807	+25°190	-5	...	...	...	28°235	+2°912	-1	46.4824	9·9	...	16°396	-37°764	-5	...	...
†	42°271	+5°156	-4	...	...	*	28°167	-41°430	1·00	47.4479	9·6	...	16°180	-36°828	-5	...	...
†	42°231	+14°985	-5	...	...	...	27°804	-35°362	-4	47.4480	10·2	...	16°007	-9°059	-3	47.4495	10·2
51	111																
S*	-41°400	-0°749	1·15	46.4804	8·9	...	-27°765	+43°797	0·70	46.4825	9·8	...	-15°694	-38°587	-5	...	...
...	41°308	-13°697	0·85	47.4467	9·8	*	27°714	+35°706	1·10	46.4826	9·2	R	15°343	+18°250	-5	...	...
...	40°699	+56°539	-5	45.4898	9·9	...	27°360	+16°455	-3	46.4827	10·2	...	14°612	+4°508	-5	...	...
*	40°493	-29°685	1·00	47.4468	9·7	...	27°223	-35°390	-5	B	...	*	14°345	-32°498	1·00	47.4496	9·4
...	40°455	-3°216	-4	...	...	...	27°045	+27°743	-4	46.4828	10·2	...	14°295	+16°151	-4	46.4846	10·2
†	-39°963	+59°518	1·00	45.4900	9·4	...	-26°831	-53°121	-5	...	...	...	-13°874	+15°230	-3	46.4847	10·2
R	39°887	-12°406	-4	...	...	...								

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	§.	No.	Mag.		x.	y.	§.	No.	Mag.		x.	y.	§.	No.	Mag.		
181-240																			
181	-12·909	+14·617	-3	46·4848	10·2	241	*	+2·937	+29·530	1·00	46·4870	9·6	301	+16·989	+47·833	-5	°	...	
...	12·669	-8·095	0·90	47·4499	9·8	...	3·042	-59·633	-5	47·4525	10·2	...	17·238	-58·410	1·30	47·4545	9·0		
...	12·624	+22·942	0·70	46·4849	9·9	...	3·080	-32·696	-4	47·4524	10·2	...	17·579	+38·438	-5	46·4889	10·2		
*	12·199	+49·643	1·25	46·4850	9·2	...	3·205	+38·150	-3	46·4871	10·0	R	17·840	+56·297	-5	...	...
*	12·058	+40·285	1·00	46·4851	9·5	...	3·751	-33·728	-5	M	...	R	18·011	+41·372	-5	...	...
...	-11·934	-29·980	-5	...	...	...	+3·816	+19·933	-5	...	...	*	+18·199	-0·576	0·90	46·4890	9·8
*	11·909	-34·973	1·40	47·4500	9·0	*	4·553	-14·182	2·10	47·4526	8·5	...	18·336	-41·673	-3	47·4546	10·2		
...	10·086	-21·236	-5	...	...	...	4·684	+32·261	-3	46·4872	10·2	...	18·884	+13·121	-2	46·4892	9·9
R†	9·974	+29·100	-5	...	...	...	4·689	-16·247	0·80	47·4527	9·8	†	18·949	+49·910	-3	46·4891	10·0
S*	9·624	+29·403	1·80	46·4852	8·4	...	4·760	-48·866	-3	47·4528	10·0	...	19·057	+22·563	-5	46·4893	10·2		
191	-9·280	-48·501	-4	47·4502	10·2	251	+	5·388	+56·293	-3	45·4948	10·0	311	+19·503	+25·540	0·70	46·4894	9·9	
...	9·121	+38·374	-5	...	...	...	5·535	+15·022	1·00	46·4873	9·4	...	20·273	+36·278	-5	...	...
...	9·039	+11·143	0·90	46·4853	9·7	...	6·482	-5·096	0·90	46·4874	9·7	...	20·997	-35·681	0·80	47·4547	10·2		
...	8·916	-53·897	-5	...	...	...	6·806	+30·004	-5	...	...	...	21·035	+31·638	-5	...	...
...	8·062	-40·911	-4	47·4504	10·2	...	7·698	+30·953	-5	...	...	...	21·397	+29·894	1·00	46·4895	9·4
S*	-7·345	-49·384	3·00	47·4505	7·7	...	7·935	+31·842	0·70	46·4875	9·9	R	+22·427	+30·936	-5	...	...
...	6·997	+48·635	-4	46·4854	10·2	...	7·941	-14·544	-3	47·4529	10·2	*	22·541	+2·601	1·00	46·4896	9·7		
...	6·721	-6·405	-5	46·4855	10·2	*	8·145	+8·820	1·10	46·4876	9·4	R	23·099	+7·723	-5	...	...
S*	6·653	-13·342	3·05	47·4506	7·8	...	8·598	+31·108	-2	46·4877	10·2	...	23·472	+8·563	-5	...	...
...	6·592	+42·833	-5	46·4856	10·2	...	8·714	-52·181	-5	...	...	...	23·502	+33·034	-5	...	...
201	-6·148	-6·203	0·70	46·4857	9·9	261	+	8·723	-53·248	0·80	47·4530	9·8	321	+24·126	+53·131	1·00	45·4974	9·7	
...	5·434	+55·205	-5	45·4937	10·2	...	9·060	+56·225	-5	...	...	...	24·162	-2·951	-5	a	...
†	5·398	-19·834	-3	47·4507	10·2	*	9·152	-25·594	1·20	47·4531	9·1	...	24·269	+0·351	0·75	46·4897	10·0		
...	5·289	-34·437	-2	47·4508	10·2	...	9·176	+14·297	-4	46·4878	10·0	S*	24·494	-39·689	1·05	47·4549	9·2		
...	4·770	-25·076	-5	47·4510	10·2	...	9·525	-52·059	-1	47·4532	10·2	...	24·544	+56·465	-5	45·4975	10·2		
...	-4·513	+26·053	0·80	46·4858	10·0	...	9·687	+48·655	-1	46·4879	9·9	...	+24·658	+28·470	-5	...	...
...	4·416	+3·602	-5	m	...	...	9·874	+41·011	0·70	46·4880	10·0	...	24·709	+45·460	-2	46·4898	9·8
...	4·136	+47·951	-5	46·4859	10·2	...	10·573	-27·002	-5	...	...	*	24·740	-32·486	1·40	47·4550	9·0
...	3·901	-7·874	0·90	47·4511	9·8	...	10·705	+8·405	-5	...	...	†	24·896	-22·973	-5	...	...
...	3·663	+28·119	-5	...	...	...	10·868	-41·194	-5	...	...	...	25·351	-59·352	-5	47·4551	10·0
211	*	-3·617	+56·065	1·50	45·4940	9·2	271	+	11·742	-18·421	-3	47·4533	10·0	331	+25·432	-59·661	1·30	47·4552	9·2
...	3·486	-59·641	-3	47·4512	10·0	*	11·929	-25·658	1·05	47·4534	9·1	...	25·539	-46·979	-5	a	...		
*	3·469	+54·538	1·00	45·4941	9·7	...	12·034	+44·413	-5	46·4881	10·2	...	25·610	+19·604	-5	...	...
*	3·369	-37·761	1·00	47·4513	9·5	R	12·125	+40·510	-5	...	...	...	25·971	+15·288	-5	...	...
...	3·338	+31·904	-5	...	...	R	12·200	+42·347	-5	...	...	...	26·133	-30·872	-5	...	...
†	-2·636	+29·919	-2	46·4860	10·0	...	12·452	+16·673	-5	...	...	*	+26·308	+53·319	1·20	45·4980	9·4
S*	2·500	+45·017	2·90	46·4861	8·2	...	12·813	+51·476	-3	46·4882	10·2	...	26·472	-31·385	...	...	...
...	2·454	-14·612	0·90	47·4514	9·8	...	12·821	-50·000	-4	...	...	...	26·688	+32·098	-4	46·4899	10·2
...	2·275	+30·998	-3	46·4862	10·2	...	13·188	+1·020	0·80	46·4883	9·8	R	26·766	+20·947	-4	...	...
...	2·222	-25·592	-4	...	...	...	13·750	-8·481	-5	b	...	...	27·071	-10·337	-5	b	...
221	-1·881	+48·747	-5	46·4863	10·2	*	+14·006	+39·514	1·05	46·4884	9·4	341	+27·158	-13·948	-5	...	...
...	1·406	-5·986	-2	46·4864	10·2	...	14·040	-53·848	0·85	47·4535	9·8	...	27·385	+12·305	-5	...	...
*	1·174	+48·215	1·90	46·4865	9·1	...	14·101	+30·384	-3	46·4885	10·0	...	27·470	-14·174	-5	...	...
...	0·840	+39·796	-4	46·4866	9·9	...	14·119	+4·989	-5	...	...	...	27·651	-20·489	-5	a	...
...	0·828	+39·871	-4	46·4866	9·9	...	14·424	-10·703	-2	47·4536	10·0	...	28·104	-8·643	-5	...	...
...	0·628	-22·308	-5	A m	...	*	+14·492	-48·559	1·00	47·4537	9·5	...	+28·116	-45·713	-5	...	...
*	0·394	+1·114	1·00	46·4867	9·6	...	14·507	-58·719	-2	47·4538	10·0	...	28·577	-34·343	-5	...	...
*	0·307	+48·250	1·90	46·4868	9·0	...	14·635	-48·419	-5	...	...	...	28·891	-9·742	-5	...	...
...	0·196	-42·209	-4	47·4516	10·2	*	14·893	-8·670	1·00	47·4539	9·6	...	29·397	-18·900	0·75	47·4554	10·2		
...	0·151	+9·581	-3	46·4869	10·2	R	15·004	-27·354	-5	...	...	...	29·451	+3·922	0·75	46·4902	10·2
231	-0·020	-25·338	1·00	47·4517	9·6	291	+	15·308	+26·884	-4	46·4886	10·2	351	+29·557	+51·867	-5	46·4900	10·2	
...	+0·272	-9·786	0·80	47·4518	9·7	...	15·558	-35·133	-3	47·4540	10·2	†	29·986	+50·410	-1	46·4901	10·0		
...	0·363	-44·292	0·95	47·4519	9·7	...	16·278	+57·413	-5	45·4961	10·2	...	30·527	+35·143	0·90	46·4903	9·8		
*	1·011	-49·893	1·00	47·4521	9·5	*	16·371	-33·291	1·00	47·4541	9·5	S*	30·665	-21·446	1·00	47·4555	9·4		
+	1·030	-9·899	1·05	47·4520	9·0	*	16·397	-51·109	1·00	47·4542	9·7	*	30·670	-42·173	1·00	47·4556	9·7		
...	+1·888	+53·994	-1	45·4946	9·8	...	+16·421	+33·154	0·95	46·4887	9·9	...	+30·686	+8·209	-4	46·4904	10·2		
...	2·014	-50·021	-5	...	...	...	16·782	-30·252	-4	47·4543	10·2	...	30·844	-40·991	1·00	47·4557	9·6
...	2·149	-58·808	-5	...	...	*	16·883	-13·121	0·95	47·4544	9·6	...	31·023	+41·924	0·95	46·4905	9·8
*	2·533	-51·982	1·20	47·4522	9·2	R	16·888	+51·472	-5	...	...	...	31·154	-1·861	-5	b	...
*	-2·648	-12·116	1·00	47·4523	9·4	...	16·934	+13·543	-3	46·4888	10·2	...	31·219	-38·259	-5	...	...

§10·5 = D, -5.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	§	No.	Mag.		x.	y.	§	No.	Mag.		x.	y.	§	No.	Mag.	
361-390																		
361 S *	+31°24'1	+44°768	1°25	46.4906	9°2	391	+38°348	+12°690	-5	°	...	421	+49°393	-31°803	-5	...	...
...	31°28'5	+36°166	-5	...	...	...	38°355	-55°567	-5	47.4566	10°2	...	49°417	+50°569	-5	46.4923	10°2
...	32°160	+13°791	-5	...	...	...	38°912	+22°578	-2	46.4913	10°2	...	49°499	-36°868	-4	47.4576	10°2
†	32°306	-9°862	-5	47.4558	10°2	*	39°176	+46°525	1°25	46.4912	9°4	...	49°732	+46°822	0°80	46.4924	9°6	
...	32°780	-44°562	-5	b	...	...	39°469	+38°361	-3	46.4914	10°0	...	50°236	+54°073	-5	45°5005	10°2
...	+32°801	-2°068	-5	...	...	...	+39°939	+0°875	-4	46.4915	10°2	...	+50°487	+37°321	-4	46.4925	10°2
...	32°932	-33°963	-4	...	...	...	41°963	-29°130	-5	e	...	...	50°795	-59°085	-5	47.4580	10°2
...	32°946	-2°981	-5	...	...	...	42°011	-16°086	-5	e	...	...	51°010	+2°048	1°35	46.4926	8°9
...	33°173	+57°680	-5	45.4985	10°2	...	42°082	+3°227	-3	...	...	...	51°587	-8°433	-1	47.4579	10°0
...	33°213	-48°167	-5	47.4559	10°2	*	42°219	-24°091	1°00	47.4568	9°8	*	52°196	+5°574	1°00	46.4927	9°8	
371	+33°458	+14°228	-5	...	...	401	+42°636	-56°449	1°20	47.4570	9°4	...	+52°246	-56°528	-2	47.4582	9°8
...	33°664	-53°362	-5	47.4561	10°2	...	44°090	-7°951	-5	...	...	...	52°581	-44°886	0°70	47.4583	9°8
*	34°157	-47°281	1°00	47.4562	9°5	*	44°138	+57°481	1°40	45.4998	9°0	*	52°950	+45°868	1°30	46.4928	9°0	
R	34°217	+54°564	-5	45.4987	10°2	...	44°484	-47°580	-5	47.4572	10°2	...	53°479	-8°749	0°70	47.4585	9°9	
*	34°251	+18°690	1°00	46.4907	9°6	...	44°669	+14°600	0°70	46.4916	9°9	...	54°154	-17°663	-5	...	...
...	+34°469	+54°755	-5	45.4988	10°2	...	+44°733	-31°703	-3	47.4571	10°0	...	+54°196	+51°585	0°70	46.4929	9°7	
...	35°358	+3°502	-2	...	...	...	45°161	+44°454	-4	46.4917	10°2	+	54°864	+22°870	1°05	46.4931	9°6
*	35°416	-10°398	1°00	47.4563	9°6	...	45°395	+43°329	-5	...	...	*	54°964	+35°582	1°35	46.4930	9°0
...	35°649	+30°288	-3	46.4908	10°2	...	45°435	+22°018	0°70	46.4918	10°0	...	55°257	+22°786	-5	...	...
...	35°760	-16°353	-5	...	...	...	46°560	+10°601	-5	...	...	...	55°617	-27°123	-4	47.4586	10°2
381	+35°983	-37°499	-5	411	+46°687	-20°298	-5	e	441	+55°656	+38°123	-5	46.4932	10°2
...	36°107	+40°793	-5	...	...	...	46°739	-13°885	0°65	47.4573	10°2	S *	56°522	+56°508	2°00	45°5008	8°9
...	36°312	-39°103	-4	47.4564	10°2	*	46°963	+14°271	1°20	46.4919	9°2	...	56°683	+5°772	-5	...	...
S *	36°521	+8°661	2°00	46.4909	8°7	...	47°251	+31°417	-4	46.4920	10°2	...	57°271	+22°703	0°85	46.4933	9°8	
R	36°993	+21°436	-5	...	...	...	47°507	+34°338	-5	...	...	...	57°391	-14°288	-5	...	...
...	+37°839	+30°791	-5	...	...	*	+47°889	+49°116	1°40	46.4921	9°2	...	+58°510	+23°108	-1	46.4934	10°2
...	38°074	-41°612	-2	47.4565	10°0	...	47°965	+20°458	-5	...	...	...	58°650	-12°984	0°70	47.4587	9°9
*	38°091	+26°442	1°00	46.4911	9°7	...	48°539	+49°693	-5	46.4922	10°0	...	59°607	+52°729	-5	45°5017	9°8	
...	38°150	+38°033	-3	46.4910	10°2	...	48°722	-42°316	-3	47.4574	10°2	...	59°719	+58°740	-4	45°5016	9°9	
...	38°306	+55°524	-5	45.4989	10°2	...	49°206	-32°440	-3	47.4575	10°0	...						

 $\frac{1}{2} 10^{\circ} 5 = D, -5.$

1-20					21-40					41-60							
I	-60°016	+57°238	1°90	45.4998	9°0	21	-57°634	-57°271	-5	M	...	41	-54°416	-4°402	-3	°B	...
+	59°791	-16°375	-3	E	...	...	57°610	+33°295	-3	...	...	...	54°265	+12°599	-3	...	...
...	59°429	-29°404	-2	E	...	...	57°584	+21°836	1°00	46.4918	10°0	...	54°188	+26°819	-4	...	...
*	59°319	-24°363	1°00	47.4568	9°8	...	56°958	-51°534	-3	...	...	*	54°087	+46°764	1°25	46.4924	9°6
...	58°961	+13°737	-5	...	...	...	56°567	-31°898	0°95	47.4571	10°0	...	53°813	+54°027	0°90	45°5005	10°2
...	-58°876	+17°918	-5	...	...	...	-56°326	-47°778	-1	47.4572	10°2	...	-53°162	+6°809	-4	...	...
...	58°844	-49°078	-5	M	...	...	56°096	+10°448	0°65	...	...	...	53°025	+37°303	0°95	46.4925	10°2
...	58°754	+33°574	-4	...	...	...	56°064	+31°286	1°00	46.4920	10°2	...	52°983	-0°425	-3	β	...
...	58°570	+44°258	-1	46.4917	10°2	*	56°005	+48°995	2°00	46.4921	9°2	...	52°335	+32°840	-5	...	...
...	58°415	+26°539	-2	...	...	...	55°902	+34°213	-1	...	...	...	52°243	-42°371	1°00	47.4574	10°2
II	-58°308	+43°144	-1	...	...	31	-55°811	+14°143	2°00	46.4919	9°2	51	-52°090	+38°794	-3	...	...
...	58°277	-16°882	-4	M	...	...	55°449	-46°020	-5	M	...	...	52°088	+15°342	-5	...	...
...	58°112	+14°388	1°00	46.4916	9°9	...	55°368	+49°595	1°00	46.4922	10°0	...	52°079	-32°489	1°00	47.4575	10°0
...	58°058	-26°061	-3	A	...	...	55°368	+51°765	-4	...	...	...	51°916	-31°846	0°65	...	...
...	58°036	-16°919	-4	M	...	...	55°197	-23°265	-3	B	...	...	51°756	+24°229	-4	...	...
...	-57°985	-8°161	-2	...	...	†	-55°158	-27°981	-5	M	...	...	-51°638	-36°891	0°95	47.4576	10°2
...	57°904	+59°670	-5	M	...	†	55°146	-13°998	0°90	47.4573	10°2	*	51°373	+2°059	2°10	46.4926	8°9
...	57°894	+44°621	-3	...	...	...	55°012	+20°353	0°70	...	...	*	50°837	+45°913	2°00	46.4928	9°0
*	57°873	-56°695	1°90	47.4570	9°4	...	54°998	-20°436	-2	E	...	...	50°740	-14°164	-5	M	...
...	57°857	+51°979	-3	...	...	...	54°505	+50°509	0°70	46.4923	10°2	...	50°491	+50°334	-4	...	...

L measured from 1, 129, 253, 367, 497, 625.
MC .. " 63, 194, 311, 439, 554, 689.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
61-120																		
61	-50°462	-8°408	1°00	47.4579	10°0		121	-40°833	-43°694	0°85	47.4589	10°2	181	-32°046	-42°271	1°10	47.4602	10°0
*	50°299	+5°615	1°15	46.4927	9°8			40°766	+38°564	-5	...	...	...	31°934	+43°692	-5	...	...
...	49°852	-56°913	-5	M	...		*	40°377	+4°980	1°20	46.4940	9°7	†	31°530	+34°875	0°85	46.4952	10°2
...	49°800	-54°781	-3	A	...		...	40°371	-26°659	-4	...	...	...	31°209	-20°455	-5	M	...
...	49°775	+24°140	-4	...	...		...	40°314	-35°834	-3	B	...	S *	31°087	+4°506	1°85	46.4953	8°7
*	-49°765	+51°668	1°00	46.4929	9°7		...	-40°284	+47°431	-2	...	...	...	-30°950	+45°582	0°75	...	...
...	49°642	-59°064	-1	47.4580	10°2		...	40°260	+59°070	-5	...	...	...	30°867	+50°335	-4	...	...
...	49°145	-49°094	-3	A	...		...	40°256	-26°280	-1	47.4590	10°2	...	30°783	+14°680	-4	...	...
...	48°806	+31°630	-3	...	...		...	39°945	-0°906	-3	B	...	...	30°686	-52°175	-5	M	...
...	48°570	-8°657	0°90	47.4585	9°9	†	39°857	-30°079	0°80	47.4591	10°2	...	30°632	+39°715	-4	...	...
71	-48°484	+17°874	-3	...	...		131	-39°610	+0°622	-2	...	...	191	-30°614	+42°744	-5	...	...
*	48°479	+35°699	1°80	46.4930	9°0		...	39°371	-18°305	0°70	...	...	...	30°529	+4°743	-4	...	...
...	48°325	+18°280	-2	...	...		*	39°156	+31°078	2°00	46.4942	9°0	...	30°290	-38°184	-4	M	...
*	48°302	-44°822	1°00	47.4583	9°8	*	...	39°147	+14°660	2°00	46.4941	9°2	...	30°034	+18°168	0°85	46.4954	10°2
...	48°278	-56°454	0°90	47.4582	9°8	*	...	39°087	+28°886	1°00	46.4943	9°9	...	29°924	+28°132	-1	46.4955	10°2
*	-48°186	+22°980	1°30	46.4931	9°6	...	...	-38°886	-5°833	-3	A	...	...	-29°849	-7°507	-5	M	...
...	47°968	-56°510	-3	A	...	...	...	38°789	-9°681	-3	B	...	S *	29°466	-48°004	3°00	47.4603	8°1
...	47°891	+38°257	-1	46.4932	10°2	...	...	38°526	+50°381	-5	...	...	*	29°315	-56°755	1°00	47.4604	9°9
...	47°829	-59°734	-4	M	...	*	...	38°504	+55°639	1°35	45.5030	9°6	...	29°272	+57°532	0°90	45.5045	10°3
...	47°790	+22°912	-2	...	...	...	...	38°478	+37°633	-5	...	...	*	28°741	-49°531	0°95	47.4605	9°9
81	-47°614	-17°554	-2	...	...		141	-38°205	+7°581	-2	...	...	201	-28°692	-2°125	-1	46.4956	10°2
S *	47°588	+56°653	1°90	45.5008	8°9	*	...	37°613	-38°617	1°00	47.4592	9°8	...	28°255	+29°454	-1	46.4957	10°2
...	47°419	-59°834	-4	M	...	...	...	37°314	-59°644	1°10	47.4593	9°9	...	28°229	-52°422	-4	B	...
...	47°321	-47°038	-3	A	...	...	...	36°502	+32°652	0°85	46.4945	10°2	...	28°136	+2°665	-3	...	...
...	47°246	+40°586	-4	...	...	...	S *	36°439	-32°196	-5	M	...	...	28°015	-51°343	-4	M	...
...	-47°138	+42°304	-3	...	...	...	...	36°309	-2°663	3°00	46.4944	8°1	...	-28°006	-8°611	-1	47.4606	10°3
...	47°001	+6°136	-4	...	...	n	...	36°136	-12°318	-2	47.4594	10°2	...	27°856	+22°124	-1	46.4958	10°4
...	46°501	+47°486	-4	...	...	†	...	36°065	+54°771	0°75	45.5034	10°2	...	27°779	+49°005	-3	...	...
...	46°125	+36°790	-3	...	...	n	...	36°027	-12°318	-2	47.4594	10°2	...	27°428	+56°229	-3	...	...
...	46°112	+51°485	-4	...	...	...	...	35°940	-3°915	-2	...	...	...	27°244	-26°717	-3	A	...
91	-46°022	-45°790	-2	...	...		151	-35°909	+12°587	-3	...	...	211	-27°224	-1°467	-1	...	...
...	45°837	-26°963	0°75	47.4586	10°2	...	...	35°684	-49°793	-5	M	...	S *	27°193	+23°055	2°00	46.4959	8°9
...	45°810	+5°955	-2	...	...	...	...	35°518	-54°731	-5	M	...	...	26°673	+28°094	-4	...	...
...	45°770	+22°894	0°90	46.4933	9°8	...	...	35°448	+49°151	-5	...	...	...	26°552	-14°688	0°90	47.4607	10°0
...	44°956	-35°662	-3	D	...	...	...	35°288	-41°622	-4	M	...	...	26°176	+2°422	-3	...	...
...	-44°930	-32°130	-5	M	...	...	...	34°705	-42°776	-4	M	...	...	-26°118	+25°818	-2	...	...
...	44°567	+3°764	-5	...	...	...	...	34°688	+36°679	0°85	46.4946	10°2	...	25°913	+52°190	-4	...	...
...	44°557	+23°343	0°90	46.4934	10°2	*	...	34°395	+58°746	1°20	45.5037	9°8	...	25°661	+24°278	-4	...	...
...	44°483	+58°989	0°80	45.5016	9°9	*	...	34°288	+42°404	1°35	46.4947	9°4	...	25°636	+40°497	-2	...	...
...	44°477	-14°069	-2	...	...	...	...	34°236	+20°196	-3	...	...	...	25°620	+0°264	-3	α	...
101	-44°389	+52°993	0°90	45.5017	9°8	...	161	-34°182	+47°256	0°70	...	...	221	-25°570	+7°795	-4	...	...
†	44°330	+39°842	-2	...	...	...	...	34°123	-32°164	1°00	47.4595	10°0	...	25°443	-4°941	0°85	46.4960	10°3
...	44°240	+41°785	-3	...	...	...	...	34°010	-36°016	-4	M	...	...	25°432	+13°664	-1	...	...
...	43°548	+35°862	0°90	46.4935	9°8	*	...	33°857	+8°934	1°00	46.4948	10°2	...	25°125	+4°700	0°70	46.4961	10°4
...	43°256	-12°737	0°90	47.4587	9°9	*	...	33°553	-6°466	1°00	46.4949	10°0	...	24°974	-45°119	-5	M	...
...	-42°909	-6°626	-4	M	...	...	...	33°518	+5°693	-5	...	...	...	-24°873	-9°002	-4	M	...
...	42°899	-58°212	-5	M	...	*	...	33°296	-56°860	2°00	47.4596	9°4	...	24°783	+58°739	-4	...	...
*	42°768	+34°294	1°10	46.4936	9°5	...	...	33°290	+45°083	-3	...	...	...	24°365	-59°863	-5	M	...
...	42°608	+41°944	-1	46.4937	10°2	...	...	33°105	+27°672	-5	...	...	...	24°331	+12°999	0°90	46.4962	10°2
...	42°504	+24°296	-3	...	...	...	...	32°929	+4°076	-4	...	...	...	24°187	-26°918	-4	M	...
111	-42°368	-25°243	-4	M	...	...	171	-32°850	-32°403	-5	M	...	...	-24°155	-10°943	-4	...	...
...	42°271	-27°088	-3	...	...	...	...	32°827	+26°387	-5	...	...	...	24°105	-0°714	-5	M	...
...	41°703	-27°828	-5	M	...	...	...	32°797	-11°590	1°00	47.4600	10°3	...	23°803	+13°917	-3	...	...
...	41°534	-55°726	-5	M	...	...	...	32°745	+58°661	-5	...	...	...	22°714	+39°592	0°65	46.4963	10°4
...	41°497	-25°163	-2	47.4588	10°2	...	...	32°693	-9°907	0°95	47.4601	10°3	†	22°587	-54°972	-5	M	...
...	-41°391	+20°639	0°90	46.4938	10°0	*	...	32°654	-33°597	3°00	47.4599	7°9	...	-22°438	+13°095	-4	...	...
...	41°383	+31°383	-1	46.4939	10°2	*	...	32°462	-1°289	0°95	46.4950	10°2	...	22°319	+33°278	-5	...	...
...	41°348	+46°638	-2	...	...	*	...	32°458	+47°889	1°10	46.4951	9°8	...	22°180	-32°282	0°90	47.4609	10°2
...	41°241	-0°669	-3	...	...	...	...	32°441	-25°149	-2	...	...	...	22°015	+24°258	-3	...	...
...	40°959	-40°201	-2	...	...	...	...	32°236	+7°507	-5	...	...	...	21°843	+3°132	0°80	46.4964	10°4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
241-300																	
241 *	-21·784	-51·894	0·90	47.4610	10·0	301 *	-11·837	+41·868	1·10	46.4975	9·8	361 ...	-0·994	-34·756	-4	M m	...
...	21·583	+11·522	-3	46.4965	10·4	...	11·827	-18·555	1·00	47.4617	10·3	...	0·942	+45·544	-4	...	...
...	21·557	-0·437	-4	M	...	...	11·753	+52·878	-2	...	...	...	0·872	-51·394	-1	...	...
...	21·537	-10·706	-4	...	...	...	11·655	+36·329	-3	...	...	*	0·762	+55·837	2·60	45.5091	8·4
...	21·509	+11·610	-5	...	...	...	11·169	-14·463	-1	47.4618	10·4	...	0·397	+3·453	2·40	46.4994	8·6
...	-21·262	-14·361	0·90	47.4612	10·0	...	-10·679	+21·694	-2	...	...	...	-0·304	-59·573	-2	A m	...
*	21·259	-31·485	1·60	47.4611	9·3	...	10·664	+39·197	-4	...	...	...	0·248	+34·788	0·70	46.4995	10·3
...	21·214	+43·720	0·85	46.4966	10·3	...	10·454	-58·800	-5	M	...	...	-0·082	+6·947	-2	46.4996	10·4
...	20·870	+32·081	-5	...	...	...	10·430	-14·312	1·00	47.4619	10·0	...	+0·315	-41·564	0·75	...	...
...	20·768	-53·161	-5	M	...	...	10·064	+6·244	-5	M	...	*	C·342	-12·654	1·15	47.4626	9·6
251 ...	-20·494	+53·696	-4	...	...	311 ...	-9·284	+26·587	0·90	46.4977	10·0	371 ...	+0·408	+49·714	-5	m	...
†	20·306	+36·176	1·00	46.4967	9·8	...	9·176	-46·876	-4	M m	...	*	1·007	-16·530	1·30	47.4627	9·6
...	19·913	+1·223	0·80	46.4968	10·4	...	8·749	+34·988	-5	...	...	...	1·170	+34·248	0·75	46.4997	10·4
...	19·852	-16·080	-5	...	...	...	8·650	+7·124	-2	...	...	...	1·342	+16·217	-5	m	...
...	19·597	-7·405	-5	...	...	...	8·620	+27·970	0·95	46.4978	10·0	...	1·495	+38·154	0·85	46.4998	10·3
...	-19·310	+46·950	-5	...	...	...	-8·524	-22·255	-3	m	...	...	+1·692	+38·551	1·00	46.4999	10·2
...	19·174	+33·129	-4	...	...	...	8·232	-5·306	-1	46.4979	10·2	...	1·824	-11·314	1·00	47·4628	10·3
*	18·817	+30·073	1·00	46.4969	9·8	*	8·030	+5·344	1·90	46.4980	9·0	...	2·099	-17·226	-1	m	...
...	18·724	+24·493	-4	...	...	...	7·622	+7·121	-4	m	...	...	2·228	-55·459	-3	B m	...
...	18·222	+57·911	0·90	45.5064	10·4	...	7·529	+4·616	-1	46.4981	10·4	...	2·384	-35·099	-5	M m	...
261 ...	-18·219	-51·133	-5	M	...	321 ...	-7·413	-21·805	-5	M m	...	Nm ...	+2·397	-9·603	-4	47·4629	10·4
...	17·551	+49·696	-2	...	...	...	7·390	+56·606	-3	...	...	...	2·431	-10·851	-5	M m	...
...	17·473	-59·118	-4	...	...	...	7·363	+48·116	-4	m	...	...	2·449	-56·889	0·75	...	...
*	17·377	-22·494	1·10	47.4613	9·8	...	6·983	+1·659	-4	m	...	...	2·521	-36·457	-5	M m	...
...	17·220	-45·876	-4	M	...	...	6·793	+18·897	0·90	46.4982	10·2	...	2·736	-34·897	-4	m	...
...	-17·206	-55·449	-2	A	...	...	-6·756	-41·565	-2	m	...	...	+3·131	-32·961	-5	M m	...
*	17·022	-2·092	1·20	46.4970	9·8	...	6·674	-50·728	-4	M m	...	...	3·356	-6·721	-1	46·5001	10·4
*	16·631	+53·069	2·00	45.5068	9·0	...	6·651	-58·559	-3	A m	...	...	3·386	+18·264	1·00	46·5000	10·2
...	16·582	-36·541	-3	...	*	...	6·546	-52·061	1·10	47.4621	9·8	...	3·472	+53·289	-3	...	...
...	16·540	-3·450	1·00	46.4971	10·2	...	6·502	+16·369	-4	m	...	...	3·713	-24·432	-4	m	...
271 ...	-16·423	-21·158	-5	M	...	331 S *	-6·437	-22·158	1·25	47.4620	9·5	391 ...	+3·723	+28·589	-3	...	...
...	16·310	+59·197	-5	...	...	Nm ...	6·155	-10·600	-3	47.4622	10·4	...	3·746	-28·847	1·00	47·4631	10·2
...	16·117	+34·153	-1	...	...	*	6·128	+57·007	0·95	45.5082	10·0	...	3·900	-6·509	-5	M m	...
...	15·988	+12·686	-2	...	...	...	6·072	-16·560	-5	M m	...	...	4·259	+54·590	-4	...	...
...	15·977	-37·137	-5	M	...	...	5·826	-23·067	-4	M m	...	...	4·374	+38·183	-2	...	...
...	-15·607	+52·295	0·85	45.5069	10·4	...	-5·635	+47·600	-3	...	...	...	+4·442	+52·249	0·90	...	...
...	15·547	+39·423	-4	...	...	...	5·151	+53·109	-5	m	...	...	4·538	-35·136	-2	...	...
...	15·517	-42·674	-5	M	...	...	5·039	-2·840	-2	46.4983	10·3	...	4·548	+17·242	1·00	46·5003	10·0
...	15·515	-53·153	-2	...	...	...	4·650	+1·319	-5	m	...	*	4·604	+43·874	0·90	46·5002	10·3
...	15·430	-36·367	-1	...	...	...	4·469	-12·375	-1	47.4624	10·0	...	4·797	+44·886	0·80	46·5004	10·4
281 ...	-15·147	+40·279	-5	...	...	341 ...	-4·377	+32·681	-4	...	...	401 ...	+4·826	-7·252	-5	M m	...
...	14·883	-54·996	-3	...	...	...	4·138	+50·664	0·80	46.4984	10·4	...	4·932	+47·706	0·80	...	...
...	14·750	+52·097	-3	...	...	...	3·943	+28·081	-1	46.4985	10·4	...	4·963	-28·327	-3	...	...
...	14·697	-33·863	-4	...	*	...	3·893	-3·134	1·10	46.4986	9·8	...	5·108	-9·038	-1	47·4633	10·2
...	14·442	-59·416	1·00	47.4614	10·4	*	3·592	+9·623	1·70	46.4987	9·1	...	5·483	-30·780	-3	...	...
...	-14·440	+41·823	-5	...	...	...	3·507	+36·935	-5	m	...	...	+5·661	+25·338	-4	...	...
*	14·115	+47·197	1·35	46.4972	9·4	...	3·478	+35·382	-2	...	...	...	5·708	+47·244	-5	...	...
...	13·906	+21·026	1·00	46.4973	10·0	...	3·467	-26·750	-5	m	...	*	5·958	-26·513	1·05	47·4635	9·9
...	13·710	-18·193	1·00	47.4615	10·3	...	3·351	+22·903	-1	46.4988	10·4	...	6·394	-19·898	1·00	47·4636	10·0
...	12·918	-48·778	0·70	...	...	...	3·321	-38·864	-5	M m	...	...	6·621	+20·772	-5	m	...
291 N	-12·687	+2·394	-5	...	...	351 ...	-3·028	+39·714	-2	...	...	411 ...	+6·872	+0·628	-4	M m	...
...	12·577	+35·522	-3	...	...	...	2·883	+14·109	-2	46.4989	10·4	...	7·103	+51·083	-5	M m	...
...	12·500	-58·032	-3	...	...	...	2·840	-29·551	-5	M m	...	...	7·179	+51·428	1·00	46·5006	10·2
...	12·400	+27·042	-2	...	*	...	2·723	+45·077	1·80	46.4990	9·0	...	7·181	+37·461	1·00	46·5005	10·0
...	12·145	+59·221	1·00	45.5073	10·4	...	2·639	+51·180	0·90	46.4991	10·0	...	7·365	+31·653	-5	...	...
...	-12·066	+43·706	-5	...	...	...	-2·508	+9·765	-2	46.4992	10·3	*	+7·523	-42·001	-5	M m	...
...	12·042	-7·241	-5	M	...	...	2·335	+43·740	-2	46.4993	10·4	*	7·733	-56·066	1·20	47·4637	9·5
...	11·956	+29·873	-2	46.4974	10·4	...	2·064	+56·559	-1	...	...	...	7·865	-28·112	-5	M m	...
...	11·918	-24·053	1·00	47.4616	10·3	...	1·895	-38·106	0·95	47.4625	10·0	...	7·934	-12·250	-5	M m	...
*	11·840	-0·973	1·35	46.4976	9·7	...	1·594	+6·467	-5	M m	...	S *	7·938	+56·113	3·20	45·5107	7·9

291. Partly obscured by fault.

332. 48°·67, too faint to measure.

381. 48°·67, too faint to measure.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
421-480																		
421	+ 7.949	+44.334	1.00	46.5007	10.0	481	+16.917	-40.639	-1	o	...	541	+27.541	+29.289	0.80	o	...	
...	+ 8.042	+48.007	-5	m	...	...	16.924	+34.996	-4	...	...	...	27.739	-4.419	-5	m	...
...	+ 8.051	+32.919	-4	...	...	...	16.929	+17.481	-3	...	...	...	27.943	-55.384	-5	m	...
...	+ 8.056	-24.355	-3	...	...	*	17.177	-29.229	1.20	47.4647	9.5	*	28.224	+2.467	1.05	46.5038	9.8
...	+ 8.149	+29.070	-2	46.5008	10.4	*	17.302	+57.272	1.00	45.5123	9.8	...	28.321	+42.895	-3	...	...
N*	+ 8.327	+30.675	1.00	46.5009	10.0	...	+17.471	+27.635	-2	...	...	...	+28.333	+49.723	1.00	46.5036	9.8
N*	8.414	+ 0.773	1.40	46.5010	9.5	...	17.527	+31.224	-4	...	...	*	28.360	+37.515	1.10	46.5037	9.7
...	8.436	+44.987	-2	...	...	...	17.550	-29.845	-1	47.4648	10.3	...	28.679	-33.079	0.80	...	...
...	8.675	-24.196	1.05	47.4638	10.0	...	17.602	-24.711	-5	m	...	...	28.789	-7.002	-2	46.5039	10.4
...	8.817	-12.197	-1	47.4639	10.2	...	17.884	-15.715	1.00	47.4649	9.8	...	28.803	-34.649	-5	m	...	
431	* + 8.962	+45.217	1.00	46.5011	9.8	491	+18.106	+18.106	-4	...	...	...	+28.909	-53.387	-5	m	...
...	9.022	-58.140	-1	A m	...	...	18.206	-57.163	-1	...	...	...	29.261	+50.719	-5	m	...
...	9.029	+55.269	0.70	45.5110	10.4	...	18.224	+15.876	-2	46.5022	10.4	...	29.355	-13.989	-1	47.4661	10.4	
...	9.095	+30.655	-5	...	...	...	19.125	-26.272	-4	m	...	...	29.790	-30.906	0.85	47.4662	10.4
...	9.334	+50.374	-5	...	...	...	19.211	+41.663	0.75	46.5023	10.4	...	30.048	-53.603	-4	m	...
...	+ 9.414	-42.106	0.70	...	...	...	+19.591	+1.809	-2	46.5024	10.4	...	+30.134	-25.110	-4	m	...
...	9.537	-40.771	0.95	47.4640	10.2	...	20.231	-47.476	1.00	47.4651	10.0	...	.30.370	-46.407	-4	m	...
...	9.552	+53.462	1.00	45.5111	10.4	...	20.307	+42.807	0.90	46.5025	10.4	...	30.756	-4.027	-4	m	...	
*	9.932	-55.902	1.00	47.4641	10.0	...	20.459	+8.208	-5	m	...	...	30.861	-45.017	-5	m	...
...	10.050	+46.617	-1	...	...	...	20.465	-53.405	-3	b	...	S*	31.078	-44.529	1.85	47.4663	9.0
441	+ 10.307	+30.340	-3	501	+20.593	+8.240	-3	46.5026	10.4	...	561	+31.280	+33.681	-3
...	10.312	+34.612	-2	...	...	...	21.189	+27.275	-5	...	...	...	31.334	-32.438	-4	m	...
*	10.383	+26.971	1.00	46.5012	9.9	...	21.267	-32.086	0.90	47.4652	10.3	...	31.617	+17.751	0.80	46.5040	10.2	
...	10.417	-52.889	-4	m	...	...	21.296	+11.218	-4	...	...	S*	31.643	+14.322	1.35	46.5041	9.2
†	10.834	+39.766	-5	...	...	*	21.309	+47.468	1.00	46.5027	9.9	*	31.777	-55.304	1.60	47.4664	9.3
...	+ 11.049	+30.435	-5	m	...	...	+21.322	-50.482	-2	b	...	...	+32.023	-56.262	-5	m	...
...	11.058	+18.684	-5	m	...	...	21.528	+39.192	-2	...	...	...	32.266	+15.186	0.90	46.5042	10.0
*	11.242	+39.212	1.20	46.5013	9.5	...	21.760	-59.261	-4	m	...	...	32.270	-29.034	-4	m	...
...	11.327	-21.893	-5	m	...	†	21.781	-25.078	-2	...	...	...	32.296	-57.049	0.80	47.4666	10.4
...	11.346	-51.286	0.70	47.4642	10.4	...	22.147	+23.504	-2	...	...	...	32.656	+42.763	-4	...	...
451	+ 11.498	+16.643	-5	m	...	511	+22.472	+11.917	1.00	46.5029	10.3	*	571	+32.677	-43.262	0.90	47.4667	10.0
*	11.815	+51.899	1.00	46.5014	9.8	*	22.506	-47.542	1.00	47.4653	9.9	...	32.771	-12.656	0.80	47.4665	10.2	
...	11.819	+ 8.690	-1	46.5015	10.3	...	22.658	+43.709	0.85	46.5028	10.4	...	32.851	+23.510	0.90	46.5044	10.2	
...	11.912	+21.299	-4	m	...	*	22.696	-6.652	1.30	46.5030	9.8	*	32.934	+46.697	1.00	46.5043	9.9	
...	12.204	-24.559	-1	...	...	...	23.018	-32.154	0.90	47.4654	10.4	...	32.983	+3.880	0.90	46.5045	10.0
...	+ 12.244	+11.042	-1	46.5016	10.3	...	+23.096	-18.733	-5	m	...	...	+33.079	+10.849	0.90	46.5046	10.0
...	12.448	-39.792	-5	m	...	...	23.222	-7.786	-5	m	...	...	33.162	-20.854	0.90	47.4668	10.2
...	12.464	-40.233	-4	m	...	...	23.356	-42.739	-5	m	...	...	33.240	+57.913	-3	a	...
...	12.648	+45.875	0.70	46.5017	10.2	*	23.584	+42.152	1.00	46.5031	10.0	...	33.746	+48.937	-2	...	...
...	12.762	+50.802	-2	46.5018	10.4	...	23.613	+52.630	-2	...	...	...	33.770	+56.278	-4	b	...
461	+ 12.940	-16.151	-1	47.4643	10.4	521	+23.854	+38.865	-2	581	+34.087	+49.037	-5
...	13.230	-47.969	-4	m	...	...	23.944	-9.128	-5	m	...	...	34.269	-49.284	-4	m	...
...	13.414	+32.945	-5	...	...	...	24.242	-11.435	-5	m	...	*	34.426	-10.661	1.00	47.4669	9.8
...	14.154	-36.052	-1	47.4644	10.4	...	24.386	+59.412	-2	...	...	...	34.428	-28.966	0.80	47.4670	10.0
†	14.549	-59.868	1.20	47.4645	9.8	...	24.484	+25.615	-5	...	...	...	34.472	+44.121	-5	m	...
...	+ 14.762	+45.302	-2	...	...	*	+24.552	-50.813	1.00	47.4655	9.8	...	+34.863	-37.015	0.65	47.4671	10.4
...	14.810	+16.053	-4	m	...	...	24.911	-34.442	0.85	47.4656	10.4	*	34.867	+34.061	1.00	46.5047	9.9
...	15.012	+30.552	-3	...	...	...	25.024	-55.946	-5	m	...	S*	35.110	+47.800	1.15	46.5048	9.7
...	15.269	-47.417	-4	m	...	...	25.135	-51.955	0.95	...	...	...	35.174	-18.552	0.80	47.4672	10.4
*	15.309	-46.680	1.00	47.4646	10.0	...	25.474	-6.992	-4	m	...	...	35.345	-48.799	-3	b	...
471	+ 15.402	+52.432	-1	531	+25.552	+28.789	1.80	46.5033	9.3	*	591	+35.371	+7.223	1.00	46.5049	10.0
...	15.575	+50.567	-2	...	...	*	25.570	+27.935	1.15	46.5032	9.9	...	35.386	-23.052	-2	...	...
*	15.695	+51.527	1.00	46.5019	9.8	...	25.589	-56.991	-5	m	...	...	35.453	+26.881	-5	m	...
...	15.848	+47.103	-3	...	...	*	25.747	-28.254	1.10	47.4657	9.8	...	35.689	+19.304	-2	46.5050	10.4
...	15.871	-14.270	-4	m	...	...	25.885	+36.562	-4	...	...	...	35.834	+19.256	-5	...	...
...	+ 16.093	+17.832	-3	...	...	...	+25.918	-50.984	0.75	...	...	...	+36.119	+34.217	-2	...	...
...	16.111	+42.847	0.75	46.5020	10.2	...	26.132	-21.589	0.70	47.4659	10.4	...	36.122	-29.163	-3	b	...	
...	16.454	+ 3.199	-4	...	...	...	26.344	+50.229	0.95	46.5034	10.2	*	36.293	+36.289	1.00	46.5051	9.8
...	16.609	+ 4.027	0.80	46.5021	10.4	*	27.103	+14.087	1.00	46.5035	10.0	*	36.475	+3.817	1.30	46.5053	9.5	
...	16.714	+46.934	-3	...	...	...	27.354	-51.311	0.90	47.4660	10.4	*	36.482	+ 5.156	1.00	46.5052	9.9

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
601-660																		
601	+36·492	-44·216	0·80	47·4673	10·4	661	+45·584	-17·047	-4	°	m	...	721	* +53·991	+34·374	1·20	46·5083	9·7
...	36·650	-48·992	-2	b	...	...	45·640	-4·216	0·75	e	...	...	...	54·077	-23·852	-2	47·4693	10·4
...	36·952	-47·613	-3	b	...	...	46·305	-5·824	-2	b	...	...	...	54·168	+46·697	0·90	46·5082	10·0
...	36·982	-46·675	-3	b	...	*	46·307	+16·411	1·20	46·5068	9·6	...	...	54·208	+2·394	-3	...	...
...	37·099	-39·072	-3	a	...	...	46·336	+7·868	0·70	...	...	...	...	54·216	-23·302	-3	e	...
*	+37·170	+12·041	1·00	46·5055	9·9	*	+46·398	-16·610	2·00	47·4684	9·4	...	...	+54·949	-17·381	-2	47·4694	10·4
*	37·198	-22·645	0·95	47·4675	10·0	...	46·435	+20·525	-2	e	...	...	...	55·057	-13·149	0·65	47·4695	10·4
*	37·230	+3·402	1·20	46·5056	9·5	...	46·446	+3·569	-2	...	...	...	...	55·123	-48·033	0·80	47·4699	10·3
...	37·371	-32·242	0·95	47·4676	10·0	...	46·645	+21·598	-4	m	...	S+	55·201	-39·952	3·65	47·4697	7·8	
*	37·411	+34·012	1·30	46·5054	9·4	...	46·684	+18·329	-5	m	...	...	...	55·242	+41·931	-5	m	...
611	+37·600	+14·072	-1	...	...	671	+46·726	-17·123	1·00	47·4685	10·0	731	* +55·283	-44·926	-4	m	...	
...	37·708	+39·579	-3	...	...	...	46·814	-32·368	-2	d	...	...	...	55·489	-5·281	-1	46·5085	10·0
†	37·770	+34·803	0·85	46·5057	9·8	...	46·870	+58·859	-4	...	...	...	...	55·657	-5·175	0·90	...	...
...	37·926	-51·582	-5	m	...	...	46·876	+32·869	-2	...	...	...	...	55·672	-10·234	-5	m	...
...	37·932	+16·609	-3	...	...	...	46·876	+18·827	1·00	46·5070	9·9	...	...	55·700	-0·560	-5	m	...
...	+37·951	-11·022	-3	b	...	...	+47·092	+36·514	1·00	46·5069	10·0	*	+55·711	-26·425	1·20	47·4698	9·4	
...	38·125	-25·958	-2	a	...	...	47·215	-53·293	-5	m	...	...	...	55·784	-38·220	1·30	47·4701	9·4
...	38·193	+55·718	-5	...	...	...	47·218	-22·265	0·80	47·4686	10·4	...	...	55·821	-32·259	0·75	47·4700	10·4
...	38·300	-36·385	-4	m	...	...	47·225	-3·503	0·75	e	...	...	...	55·892	-6·866	-5	m	...
...	38·364	+1·972	-4	...	...	681	47·441	-50·547	-3	d	...	...	...	55·968	+16·412	-5	m	...
621	* +38·492	+7·413	1·00	46·5058	10·0	...	+47·498	+34·262	1·00	46·5071	10·2	741	* +56·012	-25·791	-5	m	...	
...	38·920	-57·527	-1	b	...	...	47·690	+47·034	-4	...	...	...	...	56·127	+21·936	-2	...	...
...	38·970	+28·366	-1	46·5059	10·4	...	48·128	+15·458	0·95	46·5072	10·2	...	...	56·148	-14·919	-4	m	...
*	39·283	+22·670	1·40	46·5060	9·4	...	48·260	+30·659	-3	...	...	...	...	56·387	-8·253	-1	46·5087	10·4
†	39·628	+0·455	0·70	46·5061	10·4	...	48·469	+59·543	-5	...	...	...	...	56·516	-17·718	1·00	47·4702	9·8
...	+40·006	+28·578	-4	...	...	*	+49·167	-27·874	1·00	47·4688	10·4	...	+56·609	-38·793	-1	47·4703	10·4	
...	40·222	-0·807	-5	m	...	...	49·229	+6·142	1·00	46·5073	10·2	...	56·662	-47·080	-2	e	...	
*	40·323	-21·763	1·00	47·4677	10·0	...	49·330	-5·129	-5	m	...	...	...	56·684	-11·917	-3	e	...
...	40·715	-30·120	-4	m	...	...	49·834	+14·961	0·80	46·5074	10·2	*	56·736	+0·819	1·00	46·5088	9·8	
*	40·799	+54·091	1·15	45·5147	9·9	...	49·836	-44·190	-1	47·4689	10·4	...	56·914	+16·185	-2	...	...
631	+41·179	-24·905	0·85	47·4678	10·3	691	+49·846	+28·461	-5	...	...	751	* +57·309	+50·251	1·20	46·5086	9·7	
...	41·297	-56·142	-5	m	...	...	49·882	-41·183	0·80	47·4690	10·4	...	57·462	-32·974	0·90	47·4705	10·2	
...	41·352	+28·133	-4	...	...	...	50·146	+21·363	0·75	46·5075	10·4	*	57·607	-35·370	1·70	47·4706	9·3	
...	41·563	-56·541	-5	m	...	...	50·271	+54·264	-1	45·5161	10·3	*	57·630	-46·185	2·00	47·4707	8·6	
...	41·866	-57·558	1·00	47·4679	10·4	...	50·362	+38·397	-4	...	...	...	...	57·654	+24·682	0·80	46·5089	10·3
...	+42·098	-6·036	-5	m	...	...	+50·434	+0·564	-3	b	...	...	...	+57·792	-46·700	-5	m	...
...	42·183	-2·383	0·65	b	...	...	50·491	+55·944	-4	...	...	...	...	57·938	+36·386	0·80	46·5090	10·2
...	42·421	+44·737	-4	...	...	*	50·516	-2·701	1·80	46·5076	9·1	...	...	58·202	+32·571	-2	46·5091	10·4
...	42·460	-39·762	1·00	47·4680	10·3	†	50·553	+9·873	-2	...	...	...	...	58·278	+2·000	-1	...	...
...	42·609	-48·625	-2	b	...	...	50·752	-27·390	-5	m	...	...	...	58·374	-24·833	-4	m	...
641	+42·653	+3·027	-3	a	...	701	+50·834	+47·556	-3	...	...	761	+58·382	-21·078	-3	...	...
*	42·802	+15·127	1·40	46·5062	9·8	...	51·060	-46·033	-5	m	...	...	...	58·477	+1·028	-2	...	...
...	42·891	-40·651	-5	m	...	...	51·183	-20·215	-4	e	...	...	...	58·479	-45·137	-4	m	...
*	43·075	+27·347	1·30	46·5063	9·7	S*	51·221	-8·858	5·00	47·4691	6·9	...	...	58·588	+28·873	-1	46·5093	10·4
...	43·351	-59·573	-5	m	...	...	51·245	-14·427	-4	m	...	...	...	58·681	+49·138	-3	46·5092	10·4
...	+43·422	+15·013	0·90	46·5065	10·0	...	+51·376	-10·609	0·65	47·4692	10·4	...	+59·034	+23·588	-5	...	...
...	43·476	+21·779	-5	...	...	...	51·422	+35·022	0·80	46·5077	10·3	...	59·047	+13·014	-1	46·5094	10·4	
...	43·478	-37·067	-4	m	...	...	51·618	-57·532	-2	...	...	...	...	59·134	+22·509	-5	...	...
...	43·516	+23·687	1·00	46·5064	10·2	...	51·705	-0·901	-3	e	...	...	...	59·449	+33·096	-5	m	...
...	43·716	-54·376	-5	m	...	...	51·761	-50·087	-3	b	...	...	...	59·467	-59·340	-2	e	...
651	+43·746	+24·073	0·90	46·5066	10·3	711	+51·772	+57·918	-3	...	...	771	+59·537	-58·723	0·90	47·4709	10·0	
*	44·189	-27·601	1·05	47·4681	9·8	...	52·466	+26·151	0·65	46·5078	10·4	†	+59·563	-20·159	-3	e	...	
...	44·671	+40·265	-4	...	...	...	52·611	+17·244	0·75	46·5079	10·3	...	...	...	...	...	...
...	45·051	-4·843	-5	m	...	...	52·939	+15·174	0·70	46·5080	10·3	...	...	...	...	...	...
...	45·214	-3·610	0·80	46·5067	10·4	...	53·189	-20·945	-5	m	...	...	...	...	...	...	...
...	+45·406	+42·118	-4	m	...	...	+53·322	+31·769	-5	m	...	...	...	...	...	...	...
...	45·426	+48·483	-5	...	...	...	53·343	+7·910	0·90	46·5081	10·3	...	...	...	...	...	...
...	45·568	-24·390	-4	m	...	...	53·351	-47·296	-4	m	...	...	...	...	...	...	...
...	45·571	-53·580	-2	47·4683	10·4	...	53·716	+15·653	0·85	46·5084	10·3	...	...	...	...	...	...
...	45·577	-17·311	-3	c	...	...	53·982	-22·225	-4	m	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.
1-60																	
I	-59°56'4	+23°44'4	-1	46.5064	10·2		-45°48'3	-32°08'5	-3	47.4700	10·4	*	-34°06'3	-6°20'7	1·35	46.5106	9·0
...	59°38'4	+14°76'1	-1	46.5065	10·0		45°47'1	+24°87'6	0·65	46.5089	10·3	*	34°02'6	-8°77'1	1·40	47.4722	9·0
...	59°34'4	+23°82'9	-3	46.5066	10·3	*	45°32'3	-38°04'4	1·00	47.4701	9·4	N*	[33°66'4	+39°94'2	1·00	46.5110	9·7
...	58°61'8	-57°83'0	-5	47.4679	10·4		45°26'2	-11°73'1	-5	E	...		33°44'4	+3°97'8	-5	46.5109	10·4
†	58°60'5	-40°02'4	-4	47.4680	10·3	*	45°24'5	-17°52'3	1·00	47.4702	9·8	...	33°44'0	+7°91'3	0·70	46.5108	10·0
...	-57°25'4	-27°80'4	1·00	47.4681	9·8		-45°23'8	+49°35'7	-4	46.5092	10·4	...	-33°43'9	-42°40'3	0·85	47.4723	10·0
...	56°99'4	-3°80'4	-4	46.5067	10·4		45°18'0	+32°77'5	-4	46.5091	10·4	...	33°20'1	-14°30'4	1·10	47.4724	9·4
...	56°55'5	-4°39'0	-5	E	...		44°68'8	+29°09'9	-3	46.5093	10·4	...	33°14'8	-6°84'1	-5	M	...
...	56°54'7	+20°36'3	-5	E	...		44°47'6	-38°58'7	-4	47.4703	10·4	...	32°86'0	-13°08'3	-5	M	...
*	56°54'7	+16°25'5	1·00	46.5068	9·6		44°17'4	-46°86'9	-5	E	...		32°56'6	-29°37'4	-4	47.4726	10·4
II	-56°39'8	+36°36'7	0·95	46.5069	10·0		71						131				
...	56°23'9	+7°72'3	-4	...	...		-44°13'8	+2°22'9	-4	...	...		-32°21'5	-29°60'3	0·70	47.4727	10·0
...	56°19'5	-17°48'5	-5	E	...		43°89'4	+1°26'1	-4	...	...		32°08'9	+12°26'8	0·70	46.5111	10·2
...	56°04'1	+18°69'7	0·90	46.5070	9·9		43°82'7	-32°75'1	-1	47.4705	10·2	...	31°84'9	-8°80'9	-2	47.4728	10·2
...	56°01'2	+3°42'6	-5	...	...		43°71'4	+13°27'0	-3	46.5094	10·4	*	31°58'2	+42°45'1	1·00	46.5113	9·8
...	-55°92'4	+34°13'4	-1	46.5071	10·2		43°60'5	-35°14'4	1·40	47.4706	9·3	...	31°57'9	+3°59'1	-5	...	...
*	55°38'9	-16°75'7	1·20	47.4684	9·4	*	-43°28'4	-20°82'8	-5	...	...	*	-31°47'5	-15°33'7	1·00	47.4729	9·8
...	55°05'6	-53°74'1	-5	47.4683	10·4		43°22'7	-45°95'8	2·00	47.4707	8·6	*	31°45'2	+28°40'4	1·15	46.5112	9·4
...	55°04'3	-17°25'7	0·90	47.4685	10·0		42°77'3	+12°81'9	-5	...	...	...	31°37'3	-8°60'8	-2	47.4730	10·2
†	54°99'5	-3°63'7	-4	E	...	S*	42°12'2	-19°87'3	-4	E	...	...	30°38'3	-29°01'6	-4	47.4731	10·4
21	-54°69'6	+15°35'8	-2	46.5072	10·2		42°03'9	+38°54'8	2·40	46.5096	8·3	...	30°33'9	+44°15'3	-2	46.5114	10·0
...	54°40'5	-22°37'5	-5	47.4686	10·4		81						141				
...	53°78'2	+54°20'2	-5	45.5161	10·3		-41°68'2	-3°74'6	0·95	46.5095	10·0	†	-30°31'9	-30°11'8	-4	...	...
...	53°28'6	+6°07'5	-1	46.5073	10·2		41°32'1	-37°34'1	0·90	47.4708	10·0	...	30°23'4	+48°08'7	-5	46.5115	10·4
...	53°02'2	+47°51'6	-5	...	...		41°27'0	+0°83'4	-5	A	...	...	29°90'2	-18°49'3	0·80	47.4733	10·0
...	-52°97'9	+14°91'1	-1	46.5074	10·2		41°14'4	+59°36'6	1·00	45.5185	9·5	...	29°83'7	-32°98'6	-2	47.4732	10·2
...	52°87'1	+21°32'0	-2	46.5075	10·4		40°96'6	-59°02'6	-5	E	...	...	29°42'4	-51°09'6	0·65	47.4734	10·2
...	52°26'6	-27°91'5	0·65	47.4688	10·4		-40°95'3	-38°54'6	-5	B	...	...	29°24'1	+2°55'8	0·90	46.5116	9·9
...	52°09'0	+9°85'0	-5	...	...		40°91'7	-58°42'9	-1	47.4709	10·0	*	29°13'2	-7°84'3	1·25	46.5117	9·5
...	52°03'2	+35°01'9	0·65	46.5077	10·3	*	40°86'6	-46°99'5	-5	B	...	...	28°96'5	+39°38'2	-5	...	...
31	* -51°72'6	-2°72'4	1·40	46.5076	9·1		40°84'2	+45°59'3	-5	...	...	...	28°85'2	-31°80'8	0·70	47.4735	10·0
...	51°11'4	-41°19'4	-3	47.4690	10·4		40°46'4	-13°37'1	0·95	47.4711	9·8	*	28°11'3	+10°87'4	1·40	46.5118	8·7
...	51°07'9	-44°20'6	-5	47.4689	10·4		91						151				
S*	50°80'5	-8°84'3	4·70	47.4691	6·9		-40°20'6	-43°93'2	-4	47.4710	10·4	...	-28°02'5	+36°46'9	-2	46.5119	10·4
...	50°70'3	+26°18'3	-4	46.5078	10·4		40°03'2	-14°57'9	-2	47.4713	10·4	...	28°00'3	-26°31'7	-5	M	...
...	-50°60'9	-10°58'8	-4	47.4692	10·4		40°01'1	+7°16'1	1·00	46.5097	9·6	...	27°92'3	-19°67'9	-5	M	...
...	50°59'5	-0°88'4	-5	E	...	*	39°78'0	-17°02'0	-3	47.4714	10·3	...	27°85'2	+15°00'4	-4	...	...
...	50°49'3	-20°19'5	-5	E	...		39°39'1	-31°41'3	0·70	47.4715	10·2	...	27°08'6	-12°64'8	-5	47.4736	10·4
...	50°26'7	+17°28'3	-1	46.5079	10·3		-39°30'5	-28°34'9	0·90	47.4716	9·6	...	-27°00'1	+22°04'3	-5	...	...
†	49°88'3	+15°22'7	-2	46.5080	10·3	S*	39°24'5	+28°29'0	1·00	46.5099	9·8	N	[26°96'9	+27°60'1	0·95	46.5120	9·8
41	-49°67'1	+46°76'0	-1	46.5082	10·0		39°21'1	-7°80'2	-3	46.5098	10·4	...	26°59'9	+54°54'8	0·75	45.5212	9·8
*	49°44'3	+34°45'8	1·10	46.5083	9·7	*	38°75'6	+26°77'0	-5	...	...	...	26°49'5	+9°98'8	-3	46.5121	10·2
...	49°24'9	+7°98'4	0·90	46.5081	10·3		38°61'7	+5·63'6	3·90	46.5100	7·7	...	26°49'1	-23°15'4	0·70	47.4737	10·0
...	49°11'6	+15°72'9	0·70	46.5084	10·3		101						161				
...	48°86'2	-57°48'7	-5	...	...		-38°55'7	+45°85'5	0·95	46.5101	10·0	...	-26°37'7	-37°11'7	-5	B	...
...	-47°49'5	-23°73'9	-3	47.4693	10·4		38°39'3	-49°08'2	1·10	47.4717	9·5	...	26°27'6	-5·74'3	-5	M	...
...	47°38'0	-23°19'2	-4	E	...		38°35'5	+44°27'4	-5	...	...	...	26°16'2	-2·94'0	-5	M	...
...	46°91'4	+22°08'1	-5	...	...		37°72'8	+52°91'5	-5	45.5191	10·4	*	26°09'2	+14°58'5	1·20	46.5122	9·3
...	46°84'5	-13°01'3	-2	47.4695	10·4		37°57'6	-19°38'5	0·95	47.4718	9·8	*	-25°99'9	-43°66'5	1·00	47.4739	9·9
...	46°82'2	-17°24'8	-2	47.4694	10·4		37°42'6	+25°39'1	-4	46.5103	10·3	†	-25°63'2	+22°91'5	1·40	46.5123	9·1
51	N† -46°67'7	-5°14'7	0·70	46.5085	10·0		37°32'0	-51°94'4	-5	...	...	...	171				
...	46°63'5	+50°41'9	1·00	46.5086	9·7		37°17'5	+37°65'0	-4	46.5104	10·3	...	-25°08'2	-37°28'6	-4	...	...
n	46°51'3	-5°03'0	0·90	46.5085	10·0		36°80'8	+10°06'1	-4	...	...	...	24°29'3	+9°22'4	0·65	46.5124	10·2
...	45°94'3	+16°36'0	-5	...	...		111						24°24'7	-26°76'1	0·75	47.4743	10·0
S*	45°83'4	-39°79'7	3·00	47.4697	7·8		34°44'7	-49°24'0	-5	...	...	...	23°99'8	-20°72'5	1·00	47.4744	9·9
*	-45°78'5	-26°26'6	1·30	47.4698	9·4		34°29'4	-24°54'8	-5	...	...	...	171				
...	45°66'7	-8°07'6	0·70	46.5087	10·4		34°21'6	+42°32'3	1·40	46.5107	8·8	*	22°75'3	-2·37'5	-5	46.5127	10·4
...	45°66'7	-47°87'6	-4	47.4699	10·3		34°20'5	-24°30'0	-5	M	...	...	22°62'1	+12°08'6	0·70	46.5128	10·0
*	45°62'3	+1°00'6	1·10	46.5088	9·8	*	34°20'5	-24°30'0	-5	M	...	...	22°30'2	-28°16'1	1·35	47.4746	9·3
...	45°56'9	+36°57'9	0·80	46.5090	10·2								22°16'8	+35°23'3	-5	...	...

L measured from 1, 188, 374.
C " " 94, 273, 46

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
181-240						241-300						301-360						
181	-21·807	-40·324	1·00	47.4747	9·8	241	-7·243	-27·651	-5	M m	...	301	+5·390	-22·274	-3	47.4795	10·2	
*	21·693	+32·251	-3	46.5129	10·3	...	7·192	+38·970	-4	46.5138	10·4	...	+6·108	+32·445	1·00	46.5152	9·6	
*	21·667	-42·354	2·40	47.4748	8·5	...	6·913	+30·943	-5	m	...	...	6·169	+46·916	1·00	46.5151	9·8
...	21·149	-29·195	-5	M	...	...	6·727	+38·662	-5	m	...	...	6·187	-51·940	-5	M m	...
...	20·264	-24·201	-5	M	...	...	6·726	-48·830	-1	47.4770	10·2	*	6·193	+49·970	1·20	46.5153	9·3
S	+20·094	-9·735	1·00	47.4750	9·7	S *	-6·480	+47·542	1·20	46.5139	9·1	...	+6·213	+3·136	-3	46.5154	10·2	
+	20·069	-52·937	-4	47.4749	10·4	...	6·475	+0·831	-1	46.5140	10·0	+	6·222	-59·949	2·20	47.4797	8·8	
+	20·012	-11·970	-2	47.4751	10·2	...	6·257	-53·811	-4	47.4771	10·4	...	6·310	-25·616	0·70	47.4798	10·0	
+	19·886	-0·241	-5	M	...	...	6·192	-23·232	-5	M m	...	S *	6·495	+31·344	1·40	46.5155	9·1
...	19·562	-2·205	-4	D	...	*	6·156	-59·505	1·45	47.4772	9·1	...	6·585	-4·937	-4	B m	...	
191	-19·478	-40·305	-1	B	...	251	-5·861	+53·954	-5	...	...	311	+8·806	+48·202	-4	46.5156	10·4
...	19·465	+45·887	-5	...	...	S *	5·824	-51·673	2·90	47.4773	7·8	...	7·296	-33·658	-3	47.4801	10·3
...	19·257	-2·433	-4	...	...	...	5·664	+7·524	-5	46.5141	10·4	n	7·361	+18·216	-4	46.5157	10·4
...	18·883	-53·780	-5	M	...	...	5·573	-30·892	-5	m	...	...	7·665	+51·504	-5	...	...
...	18·863	-29·881	-4	B	...	...	5·565	+50·394	-5	...	...	...	7·900	-49·421	1·00	47.4802	9·9
...	-18·439	-50·233	-1	47.4753	10·3	*	-5·234	+58·006	1·00	45·5235	9·8	+	8·647	-4·605	-4	46.5158	10·4	
...	18·043	-21·894	-5	M	...	*	5·227	+54·254	1·15	45·5234	9·5	N b	9·080	-7·631	-5	46.5159	10·4	
*	17·883	+35·380	-3	...	...	†	5·148	-53·294	-1	47.4774	10·0	...	9·733	+49·599	-5	...	...
...	17·836	+41·363	1·00	46·5130	9·7	...	4·527	+27·975	-5	...	...	...	9·760	-11·612	-5	47·4803	10·4
...	17·309	-22·621	0·80	47·4754	10·0	*	4·160	-14·947	1·00	47·4777	9·6	†	9·922	+57·821	-5	...	...
201	+16·785	-0·203	-3	46·5131	10·4	261	-3·886	-58·497	-5	M m	...	321	+10·338	+57·735	-5	...	...
...	16·729	-41·074	-1	47·4755	10·3	...	3·513	+28·143	-5	m	...	...	10·469	+10·177	-3	46·5160	10·0
...	16·510	-26·815	-2	47·4756	10·4	...	2·940	-30·787	-5	M m	...	...	11·163	+41·001	0·85	46·5161	10·0
*	16·387	+38·506	1·00	46·5132	9·8	*	2·906	+0·871	1·10	46·5142	9·4	...	11·307	+56·393	-5	...	...
*	16·265	-58·671	1·15	47·4757	9·3	...	2·753	-59·653	-1	47·4779	10·0	*	11·370	+13·715	1·05	46·5162	9·8	
...	-16·079	-51·969	-2	47·4758	10·4	...	2·351	-25·891	-5	47·4780	10·4	...	+11·439	+17·774	1·00	46·5163	9·9	
...	16·043	-25·446	-2	47·4760	10·4	...	2·177	-34·796	-5	M m	...	*	11·767	-29·189	1·05	47·4804	9·5	
...	15·947	-30·853	-3	47·4759	10·4	...	1·429	-41·016	-5	M m	...	...	11·780	+58·912	0·70	45·5256	10·0
...	15·525	-29·716	-4	47·4761	10·4	...	1·040	-55·393	-5	M m	...	...	11·903	+11·602	1·00	46·5164	10·0
...	15·131	-43·014	-1	47·4762	10·4	...	0·833	-42·067	-4	A m	...	*	12·207	-17·347	1·20	47·4805	9·0	
211	+15·040	+43·064	1·00	46·5134	9·8	271	-0·292	-58·687	-4	...	...	331	+12·250	+43·823	-5	...	...
++	14·975	+20·975	1·05	46·5133	9·3	†	0·145	+4·009	-1	46·5143	10·2	*	12·375	-9·832	2·00	47·4806	8·8	
...	14·631	-52·553	-4	47·4763	10·4	...	0·023	-17·468	-5	47·4781	10·4	...	12·421	+47·751	-5	...	...
*	14·222	-38·742	1·00	47·4764	9·7	...	-0·003	+2·826	-4	46·5144	10·4	...	12·481	+41·034	-4	...	...
...	14·004	+34·053	-5	...	...	+	0·096	-40·834	-5	M m	...	...	12·707	+12·893	-5	...	...
...	-13·523	-40·802	-5	M	...	+	0·207	-24·798	-3	47·4782	10·4	...	+12·750	-8·340	-5	m	...	
...	12·929	+53·935	-5	...	...	...	0·542	-8·715	-5	M m	...	*	12·909	-32·953	1·00	47·4807	9·8
...	12·847	+42·672	0·95	46·5135	10·0	...	0·610	-23·601	-2	47·4783	10·3	...	12·973	+9·908	0·80	46·5165	10·0	
*	12·770	+35·601	1·30	46·5136	9·1	αm	0·636	+0·240	-4	46·5145	10·4	...	13·087	+31·064	-5	b	...	
...	12·726	+0·346	-5	α	...	*	0·817	-33·062	1·00	47·4784	9·7	...	13·212	+38·234	-4	46·5166	10·4	
221	-12·603	-2·508	-3	46·5137	10·2	281	-1·272	-27·412	-4	47·4786	10·4	...	341	+13·544	+48·977	-5
...	12·469	+56·057	-5	...	...	n	2·208	+52·085	-4	45·5247	10·4	...	13·585	+3·937	-4	46·5167	10·4
*	11·210	-8·969	1·05	47·4765	9·6	...	2·310	+43·508	-3	46·5146	10·2	...	14·257	+23·981	-3	46·5168	10·4	
...	11·050	-42·682	-5	M	...	...	2·391	-51·311	-5	m	...	*	14·508	-30·805	1·00	47·4808	9·8
...	11·044	-19·155	-5	M	...	*	2·504	-51·118	1·20	47·4787	9·0	...	14·639	-27·852	-5	m	...	
...	-10·951	-5·529	-5	M	...	...	2·634	-37·560	-2	47·4788	10·3	†	+14·829	-4·143	-2	46·5169	10·0
...	10·645	-58·044	-1	47·4766	10·2	*	3·075	-14·105	1·00	47·4789	9·8	...	15·007	-41·546	-3	47·4809	10·4	
...	10·368	-27·506	-5	...	...	...	3·152	+28·001	-5	...	...	...	15·344	-17·287	-5	m	...
...	10·218	+32·587	-5	...	...	...	3·273	+4·321	-5	46·5147	10·4	...	15·344	-1·168	-2	46·5170	10·0
...	10·129	+54·513	-5	45·5228	10·4	...	3·520	+41·891	-5	...	...	...	15·379	+41·467	-5	...	...
231	+10·005	+43·754	-5	+	3·698	-29·867	0·90	47·4791	10·0	...	351	+15·744	-36·618	-5	m	...
...	9·675	-22·374	-5	M	...	...	3·800	-52·115	-5	M m	...	...	15·885	-15·278	-5	m	...
...	9·483	-52·916	-5	m	...	*	3·829	+24·894	1·00	46·5148	9·6	...	15·985	+3·222	-5	...	...
...	9·234	-59·816	-5	m	...	...	4·337	+3·195	-5	46·5149	10·4	N *	15·988	-18·060	1·50	47·4810	9·1
...	9·067	-39·413	-2	47·4767	10·2	...	4·376	+55·745	-5	m	...	...	16·038	+24·135	-1	46·5171	10·2
...	-8·744	+51·880	-5	...	...	+	4·504	-23·114	-4	47·4792	10·4	*	+16·124	-21·702	2·00	47·4811	8·6
...	8·281	-57·355	1·45	47·4768	9·4	...	4·551	+24·100	0·65	46·5150	9·9	...	16·146	-41·007	-4	47·4812	10·4	
...	8·190	+34·254	-5	...	...	...	4·662	+23·617	-5	m	...	...	16·439	-9·650	-5	m	...
+	7·973	-35·137	1·00	47·4769	9·8	*	4·726	-38·552	1·35	47·4793	9·3	S *	16·627	-3·428	2·00	46·5172	8·4	
...	7·813	+57·486	-4	45·5231	10·4	...	5·388	-47·270	-5	m	...	...	16·909	-27·875	-3	47·4813	10·4

282. C.P.D., suspected double; fainter star not measurable on this plate.
 313. C.P.D., suspected double.

317. 48°-68°, too faint to measure.
 354. Var. L = 8·7 - 9·6.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-4.	No.		x.	y.		-4.	No.		x.	y.	-4.	No.	Mag.	
361-420																		
361	*	+16°993	+38°013	1°30	46.5173	9°0	421	+32°855	-48°311	-1	47.4831	10°2	481	+42°272	-46°320	-4	° b	...
...	16°997	-18°011	-5	m	†	32°929	+49°634	-2	46.5196	10°2	...	42°453	+21°245	1°00	46.5209	9°9
...	17°407	-14°140	0°65	47.4814	10°4	...	32°931	-2°627	-4	46.5197	10°4	...	42°493	-33°255	0°80	47.4852	10°0	
...	17°590	+51°111	-2	46.5174	10°3	...	33°015	+28°053	-5	...	...	...	42°835	+9°979	-5	m	...
...	18°211	+27°596	0°70	46.5175	10°0	...	33°259	+4°449	-2	46.5198	10°4	...	42°891	-12°997	0°70	47.4853	10°0	
...	+18°261	-28°531	-5	m	...	...	+33°717	+40°484	-5	...	...	...	+43°153	+50°324	-5	m	...
...	19°059	+30°994	-4	46.5176	10°4	...	33°731	-56°463	1°00	47.4833	9°9	...	43°376	+32°692	-5	m	...	
*	19°087	-6°476	1°00	46.5177	9°2	...	33°888	-43°884	-5	m	...	...	43°564	-28°585	-3	47.4854	10°4
...	19°253	-12°908	1°00	47.4816	10°0	...	33°935	+38°140	-3	...	...	*	43°687	-34°301	1°40	47.4855	9°2
...	19°359	+15°307	0°65	46.5178	10°2	...	34°381	-36°007	-4	47.4834	10°4	...	43°876	-51°811	0°70	47.4856	10°2	
421-480																		
371	...	+19°634	+52°803	-5	a	...	431	+34°454	-2°076	-4	46.5200	10°4	491	+43°907	+26°890	-3	46.5211	10°4
...	19°768	+15°800	0°85	46.5180	10°0	...	34°696	+21°549	1°00	46.5199	9°0	...	44°113	-40°783	-4	e	...	
...	19°773	+52°166	-1	45.5268	10°3	...	34°754	-40°142	1°00	47.4835	9°7	...	44°245	-47°909	0°90	47.4857	9°9	
†	19°894	+40°747	2°00	46.5179	9°0	...	34°894	-54°842	-3	47.4836	10°2	*	44°477	+3°205	1°00	46.5212	9°8	
...	20°118	-46°842	-1	47.4817	10°0	...	34°934	+58°844	-4	45.5287	10°4	...	44°550	+4°293	0°75	46.5213	10°0	
*	+20°257	-32°123	1°05	47.4818	9°6	...	+35°118	+4°655	-5	b	...	...	+45°147	-9°803	-5	m	...
*	20°630	+48°367	1°05	46.5181	9°8	*	35°269	-33°627	1°35	47.4837	9°1	...	45°176	-14°937	-5	e	...	
†	20°661	+9°761	-5	...	...	*	35°751	+29°117	3°60	46.5201	7°5	...	45°763	-4°674	-5	m	...
...	20°929	+26°671	-5	46.5182	10°4	*	35°832	-7°923	1°15	46.5203	9°5	...	45°884	+51°875	-5	...	...
*	21°161	+6°769	1°00	46.5183	9°8	...	35°910	-12°440	0°95	47.4838	9°9	...	46°017	+21°435	-3	46.5214	10°4	
481-540																		
381	...	+21°666	+8°617	-5	46.5184	10°2	441	+35°936	+40°940	-1	46.5202	10°0	501	+46°635	+14°140	-5
...	22°038	+24°076	-5	...	...	...	36°053	-47°772	-5	m	...	...	46°740	+26°109	-5	e	...
*	22°133	-55°986	1°40	47.4819	9°3	...	36°193	+40°160	-5	a	...	...	46°780	-23°452	-5	e	...
...	22°147	+53°838	-5	a	...	...	36°215	+35°463	-4	...	...	*	46°788	-47°675	1°10	47.4859	9°8
...	22°754	+6°652	-5	a	...	...	36°288	-1°545	-5	m	...	...	46°795	+53°843	-5	45°5304	10°4
†	+23°378	-10°105	-5	m	...	...	+36°466	-41°065	-1	47.4839	10°0	...	+47°104	-53°049	-1	47.4861	10°2
*	23°448	+47°085	0°90	46.5185	9°9	...	36°867	-43°376	-4	47.4840	10°3	...	47°284	+37°219	-4	...	...
...	23°766	-12°929	-4	b	...	...	37°370	-3°222	-5	m	...	...	47°286	-21°469	-1	47.4860	10°0
...	24°238	+16°188	-5	46.5186	10°4	...	37°373	-8°305	0°70	47.4841	10°3	...	47°702	-26°313	-5	e	...	
...	24°459	-7°958	-5	m	...	...	37°826	+18°232	0°90	46.5204	10°0	...	48°015	+54°523	-5	45°5306	10°4
391																		
...	+24°505	-55°992	-5	m	...	...	+37°988	-21°291	-1	47.4842	10°0	511	+48°043	-14°808	-3	47.4862	10°3
†	24°758	-29°874	1°00	47.4821	9°8	...	38°147	-30°995	0°80	47.4843	10°2	...	48°089	+39°052	-5	46.5215	10°4	
†	24°822	+47°064	0°95	46.5187	9°7	...	38°257	-32°731	0°80	47.4844	10°3	...	48°699	-59°559	-2	47.4864	10°0	
...	24°976	-47°136	-4	...	...	*	38°420	-47°255	1°45	47.4845	9°2	...	48°740	-25°750	-5	e	...
...	25°063	-42°023	1°00	47.4822	9°9	...	38°654	-3°791	-5	m	...	*	49°204	-57°447	1°10	47.4865	9°8	
*	+25°355	-21°088	-4	...	...	...	+38°792	+3°925	-5	...	...	...	+49°571	+21°907	-5	...	...
*	25°465	-33°401	1°20	47.4823	9°3	...	38°817	-53°655	-4	47.4848	10°4	*	49°758	-41°804	1°20	47.4866	9°4	
...	25°758	-27°462	-5	m	...	*	38°832	+38°947	0°95	46.5205	9°8	...	50°641	-56°721	-5	47.4867	10°4	
*	25°789	-48°830	-4	a	...	...	38°835	-1°468	-5	m	...	...	51°343	-39°931	-5	m	...
...	26°202	-35°336	1°80	47.4824	8°9	*	38°924	+27°321	1°00	46.5206	9°8	...	51°600	+10°794	-5	...	...
401																		
...	+26°641	+0°707	-4	46.5188	10°3	...	+38°966	-23°542	-5	m	...	...	+51°606	+26°420	-3	46.5216	10°4
...	26°703	-43°774	1°00	47.4826	10°0	...	38°997	-2°043	-5	m	...	...	51°867	-6°193	-5	e	...
...	26°732	-38°817	-2	47.4825	10°2	...	39°068	-32°806	-5	m	...	...	52°392	-40°505	-5	e	...
...	27°133	+22°012	-5	...	...	...	39°080	-37°518	-4	47.4847	10°4	...	52°715	-58°746	-3	47.4870	10°0
...	27°223	-59°350	-2	47.4827	10°2	...	39°236	+7°133	-5	46.5207	10°4	...	52°793	+25°089	-5	a	...	
α	+27°398	-0°035	-1	46.5189	10°0	...	+39°459	-10°791	-5	m	...	*	+53°278	-19°446	1°00	47.4869	9°8	
*	28°230	+11°807	1°15	46.5190	9°3	...	39°691	-3°116	-5	m	...	...	53°760	+25°439	-5	...	...
...	28°951	-47°604	1°00	47.4828	10°0	...	40°008	+57°693	-1	45.5294	10°2	...	53°838	+17°574	-4	...	...
...	29°181	+4°123	-3	46.5191	10°4	*	40°313	-4°426	1°00	46.5208	9°8	...	54°323	-55°255	0°70	47.4872	9°9	
...	30°146	+26°748	-5	...	...	...	40°419	-52°147	1°00	47.4850	9°8	...	54°337	-30°052	-2	47.4871	10°4
411																		
...	+30°711	+18°164	-5	...	...	S*	+40°462	-16°950	2°70	47.4849	8°0	...	+54°485	+51°851	-5	45.5315	10°4
*	30°804	+13°054	0°95	46.5193	9°9	...	40°473	+25°534	-5	b	...	...	54°630	+7°114	-5	...	...
...	30°862	+43°982	-5	a	...	†	40°533	-55°001	-5	m	...	...	54°798	-8°716	-5	e	...
S*	30°871	+34°479	2°90	46.5192	8°3	...	40°544	-8°256	-5	m	...	...	55°046	-51°871	1°00	47.4873	9°8
...	31°160	+6°117	0°90	46.5194	10°2	...	41°191	-22°846	-5	m	...	...	55°529	-43°335	-3	47.4874	10°2
...	+31°394	+50°568	-5	b	...	...	+41°724	+34°366	-4	a	...	...	+56°317	+26°858	0°65	46.5217	10°0
...	31°528	-54°527	-5	b														

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	...	No.	Mag.
541-550																	
541	+56·806	+48·018	-4	46·5218	10·2	551	+59·680	-23·099	0·90	47·4879	9·8						
...	56·833	-7·601	-5	e	...												
...	56·839	+44·111	-1	46·5219	10·0												
...	56·966	+12·273	-4	46·5221	10·4												
...	57·349	+0·247	-5	m	...												
...	+57·496	-10·352	-5	e	...												
...	57·732	+11·881	-5	...	...										
...	58·277	+21·255	-5	e	...												
*	59·237	-36·088	1·20	47·4878	9·7												
*	59·317	-23·025	1·30	47·4877	9·5												

1-40					41-80					81-120							
I	-59·279	+26·658	-4	46·5211	10·4	41	-47·932	+7·216	-5	...	...	81	-37·919	-22·725	4·00	47·4886	7·4
...	59·040	-13·247	0·90	47·4853	10·0	...	47·753	-58·670	-3	47·4870	10·0	S*	37·893	+37·554	-5	A	...
...	58·784	-33·516	-1	47·4852	10·0	...	47·251	-8·604	-4	E	...	...	37·885	-56·476	-5	47·4885	10·4
...	58·774	-52·873	-3	47·4851	10·0	...	47·061	+48·172	-3	46·5218	10·2	...	37·742	-11·227	0·85	47·4887	10·0
...	58·072	+51·682	-5	...	...	†	47·042	-29·925	-3	47·4871	10·4	...	37·574	-22·576	-4	B	...
...	-57·953	+2·999	1·00	46·5212	9·8	...	-46·910	+44·261	-1	46·5219	10·0	...	-37·550	-40·394	-5	B	...
...	57·936	+4·081	-1	46·5213	10·0	...	46·869	+26·996	0·90	46·5217	10·0	S*	37·400	+14·230	2·85	46·5227	8·1
...	57·843	-28·821	-4	47·4854	10·4	...	46·567	+19·033	-5	...	...	...	36·838	-28·250	0·70	47·4888	10·2
*	57·541	-34·526	2·00	47·4855	9·2	...	46·318	+18·075	-3	46·5220	10·4	...	36·831	-33·461	0·65	47·4889	10·2
...	57·254	+53·675	-5	45·5304	10·4	...	46·258	-55·126	-1	47·4872	9·9	...	36·761	+26·044	0·95	46·5229	10·0
II	-56·993	+21·254	-3	46·5214	10·4	51	-45·757	+12·432	-3	46·5221	10·4	91	-36·724	+15·362	-3	46·5228	10·4
...	56·908	-40·984	-5	E	...	...	45·654	-51·732	-1	47·4873	9·8	D	36·437	-54·921	-5	47·4890	10·4
...	56·803	-52·013	-3	47·4856	10·2	...	45·409	-43·178	-3	47·4874	10·2	...	36·371	-55·131	0·80	47·4891	10·2
...	56·667	-15·127	-5	E	...	...	45·256	-7·429	-5	E	...	...	36·359	-54·126	-	D	...
...	56·555	-48·096	-1	47·4857	9·9	†	44·973	+12·077	-5	...	...	...	36·120	-21·998	2·00	47·4892	8·5
...	-56·401	+25·955	-5	E	...	...	-44·748	+21·476	-5	E	...	...	-35·736	+4·666	-5	...	...
...	56·226	+37·074	-5	...	...	...	44·520	-10·157	-5	E	...	...	35·555	+27·622	-4	46·5230	10·4
...	56·137	+13·995	-5	...	...	...	44·386	-43·804	-2	47·4875	10·2	...	35·505	-44·517	-5	B	...
...	56·050	+54·406	-5	45·5306	10·4	*	44·378	-40·194	1·25	47·4876	9·6	...	35·306	+42·775	1·05	46·5231	9·7
...	55·488	+38·937	-5	46·5215	10·4	...	44·195	-6·641	-5	M	...	...	35·259	+40·613	1·15	46·5232	9·4
21	-54·809	-26·596	-5	E	...	†	-43·783	+59·820	1·50	45·5323	9·1	101	-34·797	+14·724	-4	46·5233	10·4
...	54·365	-21·592	-1	47·4860	10·0	...	43·430	+38·795	1·00	46·5222	9·9	*	34·584	-30·944	1·05	47·4893	9·8
...	54·024	-47·793	1·00	47·4859	9·8	...	42·783	+35·768	-2	46·5223	10·4	...	34·274	-40·919	-4	A	...
...	53·809	-14·890	-1	47·4862	10·3	...	42·621	+38·289	-5	B	...	...	34·219	-34·962	-4	47·4894	10·4
...	53·775	-26·414	-5	E	...	...	42·589	+33·795	-4	46·5224	10·4	...	33·970	+6·569	-5	46·5234	10·4
...	-53·532	-53·148	-3	47·4861	10·2	*	-42·289	-22·761	1·80	47·4877	9·5	...	-33·772	-0·740	-5	M	...
...	53·449	+21·857	-5	...	...	*	41·958	-35·817	1·10	47·4878	9·7	...	33·483	-38·646	-5	D	...
...	52·758	-25·809	-5	E	...	...	41·911	-22·809	1·00	47·4879	9·8	...	33·201	-0·906	0·65	46·5235	10·2
...	51·743	-59·612	-4	47·4864	10·0	...	41·139	-33·822	-5	B	...	N B†	33·195	-54·790	-5	47·4896	10·4
...	51·569	+26·418	-4	46·5216	10·4	...	40·870	+14·202	-3	46·5225	10·4	...	33·147	-11·085	-5	M	...
31	-51·291	-57·477	-1	47·4865	9·8	*	-40·475	-43·091	2·60	47·4880	8·5	*	-33·016	+56·854	1·10	45·5339	9·7
*	51·239	-41·829	1·25	47·4866	9·4	...	40·254	+9·856	-5	...	...	...	32·672	+30·954	-3	...	...
...	51·073	+10·798	-5	...	...	...	39·488	-46·558	-1	47·4881	10·2	...	32·409	-29·129	-2	46·5237	10·3
...	50·271	-6·167	-5	E	...	...	39·244	-21·851	-5	47·4882	10·4	...	32·199	+5·014	0·70	46·5236	10·0
...	49·893	-56·706	-4	47·4867	10·4	...	39·067	-1·664	-5	M	...	...	31·917	+43·466	-4	46·5238	10·4
...	-49·503	+51·940	-5	45·5315	10·4	...	-38·831	-28·743	0·70	47·4883	10·0	...	-31·916	-27·666	-4	47·4897	10·4
...	49·394	+25·502	-5	...	...	...	38·492	-26·317	0·70	47·4884	10·0	*	31·812	+57·843	1·20	45·5341	9·5
...	49·054	+17·646	-3	...	...	...	38·270	+21·310	-5	...	...	...	31·601	-12·208	-5	M	...
...	48·660	-40·436	-5	E	...	...	38·126	-5·831	-3	46·5226	10·4	...	31·367	-24·067	-5	M	...
*	48·422	-19·366	1·00	47·4869	9·8	†	38·120	+49·911	-5	A	...	...	31·180	+7·360	-5	...	...

L measured from 1, 167, 346.
C " " 73, 271, 438.

109. 48° 68, too faint to measure.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
121-180																	
121						181						241					
...	-30°998	-20°987	-4	47.4899	10·4	...	-16°514	-17°947	-5	M	...	...	-5°853	+8°455	-3	46.5278	10·2
...	30°785	+57°187	-3	45.5343	10·4	...	16°472	+20°786	-3	46.5262	10·2	...	5°552	-30°574	1·00	47.4933	9·9
...	30°502	-6°128	-5	46.5239	10·4	...	16°446	+11°922	-5	46.5261	10·4	...	5°374	-39°006	-4	M	...
...	29°811	+44°647	-4	46.5240	10·3	*	16°366	-0°286	1·00	46.5260	9·8	*	5°134	-34°845	0·95	47.4934	9·9
...	29°380	-3°085	-4	B	...	...	16°344	-36°510	-5	M	...	+	5°115	-33°695	-5	M m	...
n	-28°909	+39°594	-5	46.5241	10·4	...	-16°322	+15°847	-5	...	...	+	5°043	+54°363	-5	45.5369	10·4
n	28°818	+39°339	-5	46.5241	10·4	...	16°262	-48°185	-5	M	...	...	5°003	+9°874	-4	46.5279	10·4
...	28°704	+31°206	-4	...	...	*	15°927	-22°536	1·00	47.4916	9·7	*	4°895	-38°078	2·50	47.4935	8·4
...	28°684	+48°131	-3	46.5243	10·4	...	15°882	+13°613	-4	...	...	...	4°883	+54°030	1·00	45.5370	9·8
...	28°563	+10°669	0·75	46.5242	10·0	...	15°392	-51°574	-5	M	...	...	4°706	+12°157	-5	...	...
131						191						251					
...	-28°429	+4°157	-5	46.5244	10·4	†	-15°158	+11°115	-3	46.5263	10·2	...	-4°641	-10°530	-5	47.4936	10·4
...	28°413	+1°151	-5	...	...	...	15°045	+0°703	-5	...	...	...	4°596	+39°018	-5	...	...
...	28°383	-30°606	-5	B	...	...	14°904	-49°524	-4	...	...	...	4°451	+48°542	-5	46.5280	10·4
...	28°279	-36°258	-5	B	...	...	14°752	-22°382	-2	47.4917	10·3	...	4°445	-31°366	-4	47.4937	10·2
...	27°674	+32°197	-2	46.5245	10·4	...	14°434	-48°394	-5	M	...	...	4°328	+10°454	1·00	46.5282	9·8
...	-27°301	+0°859	-2	46.5246	10·2	...	-14°244	+36°240	-5	...	...	...	-4°281	+3°147	3·00	46.5281	8·4
*	27°152	-43°474	1·00	47.4900	9·8	...	14°170	+26°790	-5	46.5264	10·4	...	3°727	-21°237	0·95	47.4939	9·9
...	26°963	+45°830	-5	A	...	...	13°395	+45°039	-4	46.5265	10·4	...	3°726	-31°409	-5	M m	...
...	26°916	-6°689	1·00	46.5247	9·9	...	13°144	-48°780	-4	47.4919	10·4	†	3°668	+29°932	0·75	46.5283	10·2
...	26°410	+38°855	-4	46.5248	10·4	...	11°993	+14°272	1·00	46.5267	9·9	*	3°325	+16°162	1·00	46.5284	9·9
141						201						261					
...	-26°018	-0°642	-4	46.5249	10·4	...	-11°976	+0°579	-3	46.5266	10·4	...	-3°324	-45°900	-3	...	...
...	25°858	-47°858	0·90	47.4901	10·3	...	11°730	-54°672	-5	47.4920	10·3	*	2°988	-39°587	1·30	47.4940	9·3
...	25°722	-56°190	-5	B	...	*	11°547	-31°331	1·00	47.4921	9·8	*	2°715	-28°506	1·00	47.4941	9·7
...	25°703	-27°421	-4	A	...	...	11°406	-43°537	0·90	47.4922	10·0	*	1°895	+4°197	1·30	46.5285	9·1
...	25°626	+15°612	-4	...	...	...	11°358	-49°610	-5	M	...	*	1°873	+56°078	1·30	45.5372	9·7
...	-25°620	+8°527	-4	46.5250	10·4	...	-11°169	-33°813	-5	M	...	...	-1°464	-39°221	0·75	47.4942	10·0
†	25°194	-35°371	1·40	47.4902	9·2	...	10°980	-52°481	-1	47.4923	10·0	S*	1°442	+9°032	3·00	46.5286	8·2
†	24°841	+34°875	1·00	46.5251	9·6	...	10°971	-16°745	0·65	47.4924	10·0	*	1°233	-8°117	1·00	47.4943	9·5
...	24°759	+36°243	-5	...	...	*	10°946	+6°562	2·20	46.5268	8·4	...	1°123	+32°494	-5	M	...
...	24°325	+17°605	0·65	46.5252	10·2	...	10°786	-40°797	-5	M	...	...	-1°021	-44°774	-5	M	...
151						211						271					
...	-23°722	+33°830	-1	46.5253	10·2	...	-10°785	+59°613	-4	45.5359	10·4	*	+0°043	-19°285	1·40	47.4944	9·2
...	23°717	+26°031	-5	A	...	...	10°776	-49°840	-5	M	...	S*	0°203	-12°683	1·30	47.4945	9·2
...	23°587	-2°509	-5	M	...	...	10°483	+50°746	-2	46.5270	10·2	...	0°777	+32°600	-4	46.5287	10·4
...	23°526	-42°809	-5	B	...	...	10°456	+4°771	-2	46.5269	10·0	*	0°897	-53°692	1·10	47.4946	9·5
...	23°377	+8°299	-5	...	...	*	10°272	-26°201	1·00	47.4925	9·8	...	1°144	-36°290	1·00	47.4947	9·9
...	-23°230	+23°399	-1	46.5254	10·2	†	-10°099	-29°032	-5	47.4926	10·4	...	+1°455	-39°625	-5	M	...
...	22°988	-56°633	-5	B	...	...	10°015	+53°011	-3	45.5360	10·3	...	1°690	-27°550	1·00	47.4948	9·8
...	22°960	-21°496	-5	M	...	...	9°990	-0°292	-5	46.5271	10·4	*	1°820	-50°985	2·00	47.4949	8·7
S*	22°811	+48°499	1·40	46.5255	9·0	...	9°731	+34°669	0·65	46.5272	10·0	...	1°951	+13°911	-5	46.5288	10·4
...	22°488	-56°347	-3	47.4903	10·3	...	9°558	-11°991	-1	47.4927	10·2	S*	2°061	-49°493	2·55	47.4950	8·2
161						221						281					
...	-22°471	+23°311	1·00	46.5256	10·0	*	-9°296	-38°583	1·00	47.4928	9·7	...	+2°314	+47°894	-3	46.5289	10·4
...	22°293	+35°719	-5	...	...	9°087	-15°705	-4	47.4929	10·4	...	2°970	+50°106	-5	M	...	
*	20°942	-48°137	1·30	47.4906	9·3	...	8°933	+18°030	-4	...	...	...	2°984	+15°258	-4	46.5290	10·4
...	20°620	-31°588	-3	47.4907	10·4	...	8°444	-31°101	-4	M	...	*	3°035	-13°537	1·25	47.4951	9·3
...	20°574	-11°005	-5	M	...	...	8°373	-37°889	-3	47.4930	10·2	...	3°472	-33°243	-5	M	...
...	-20°216	-20°369	-5	M	...	...	-8°340	+54°511	-5	45.5363	10·4	...	+3°885	-23°692	-3	47.4952	10·0
...	19°653	-23°043	0·90	47.4909	10·0	...	8°055	-52°112	-5	M	...	...	5°025	-46°126	0·70	47.4954	10·2
...	19°208	-34°691	-3	47.4910	10·4	...	7°904	-2°121	-4	46.5273	10·3	D	5°112	-8°021	-4	47.4953	10·4
...	18°971	-30°540	-3	47.4911	10·2	*	7°132	-45°752	1·00	47.4931	9·6	M	5°567	+0°511	-3	46.5291	10·3
...	18°676	+17°632	-5	46.5257	10·4	*	6°672	-27°881	1·10	47.4932	9·5	...	5°811	+19°328	0·80	46.5292	10·0
171						231						291					
...	-18°513	-32°479	-3	47.4912	10·4	...	-6°646	-28°306	-5	M	...	...	+5°904	-27°480	-5	M	...
...	18°350	-50°583	-4	...	...	6°625	+58°391	-1	45.5367	10·2	...	6°144	+57°157	-5	45.5384	10·4	
...	17°893	-8°613	-5	47.4913	10·4	...	6°528	+55°737	-1	45.5368	10·2	...	6°551	-27°673	-5	M	...
...	17°878	+43°077	-5	A	...	...	6°526	+6°495	-5	M a	...	...	6°995	-42°688	-5	M	...
...	17°872	+1°236	-2	46.5258	10·0	...	6°512	+43°366	-5	A	...	...	7°092	+35°262	1·00	46.5293	9·8
...	-17°729	+32°955	-5	A	...	...	-6°453	+8°220	1·00	46.5274	9·9	...	+7°160	-57°288	-4	...	...
*	17°682	-15°643	1·00	47.4914	9·6	...	6°204	-30°689	-4	M	...	...	7°176	+6°101	-4	46.5295	10·4
...	17°564	-0°768	0·95	46.5259	9·8	†	6°033	+20°045	1·00	46.5275	9·7	...	7°327	+44°024	-5	46.5294	10·4
...	17°308	-43°193	-5	M	...	...	5°935	+41°007	-4	46.5276	10·4	...	7°404	-48°817	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
301-360																	
301	+ 7.621	-27.392	- 5	° M	...	361	+22.456	-12.192	1.00	47.4977	10.0	421	+36.428	-50.347	- 5	° a	...
*	7.879	+24.052	2.10	46.5296	8.6	...	22.569	+20.282	- 4	...	...	...	36.727	+3.321	0.90	46.5323	10.0
*	8.290	+11.308	2.10	46.5297	8.6	...	22.675	+25.457	- 4	...	...	...	36.895	+6.645	- 5	...	...
...	8.459	-34.272	- 5	M	...	...	23.099	- 5.217	- 5	...	...	†	37.136	+49.850	- 5	...	...
...	8.878	-56.949	- 5	M	...	...	23.885	-38.624	- 5	b	...	...	37.335	+18.474	- 5	...	...
...	+ 9.086	+46.138	- 5	46.5298	10.4	...	+23.924	-11.568	- 5	...	...	...	+37.612	+31.093	- 2	46.5324	10.3
...	9.351	- 5.586	- 4	46.5299	10.4	*	24.204	-58.484	1.60	47.4980	9.3	...	37.642	-44.070	- 2	47.4997	10.4
...	9.556	-38.673	0.70	47.4956	10.2	...	24.217	+18.876	- 5	...	...	...	37.766	+26.521	- 3	46.5325	10.4
...	11.243	-36.771	- 5	47.4958	10.4	...	24.225	+54.445	- 3	45.5411	10.3	...	37.774	+ 1.754	- 5	...	...
...	11.270	+ 3.134	1.00	46.5301	10.0	...	24.325	+53.663	- 5	...	...	...	37.834	+24.293	- 5	...	...
361-420																	
311	+11.304	+ 6.976	- 3	46.5300	10.3	...	+24.326	+30.401	- 4	...	...	...	+38.465	+ 9.613	1.00	46.5326	9.9
...	11.404	+14.264	- 5	...	...	...	24.454	-11.742	- 5	...	...	...	38.649	-12.497	0.90	47.4998	10.0
...	11.405	-36.156	- 5	47.4957	10.4	...	24.548	+15.270	- 4	...	...	...	38.750	-22.843	- 5	...	...
†	11.447	-29.865	- 5	47.4959	10.4	†	24.806	+40.335	1.00	46.5312	9.8	...	38.968	+ 8.579	- 4	46.5327	10.4
*	11.731	-34.187	1.10	47.4960	9.3	†	24.820	+36.420	0.65	46.5313	10.2	...	39.059	- 2.569	1.00	46.5328	10.0
...	+11.863	+ 4.388	- 4	46.5303	10.3	...	+24.897	- 7.409	- 5	...	...	...	+39.464	-18.094	- 5	a	...
*	11.931	+41.321	1.15	46.5302	9.4	...	24.963	+58.786	- 5	...	...	...	39.529	-21.986	- 5	a	...
...	12.171	+37.257	- 5	...	...	...	25.670	+11.628	- 5	...	...	...	40.778	+28.423	- 4	...	...
...	12.380	+10.928	- 5	...	...	*	26.466	-56.517	1.10	47.4981	9.8	...	40.913	+10.278	- 5	46.5329	10.4
...	12.823	-43.844	0.70	47.4961	10.2	*	27.268	-49.980	1.00	47.4982	9.8	...	41.050	+ 0.953	- 2	46.5330	10.4
381-440																	
321	+12.915	+41.521	- 5	...	...	*	+27.370	-58.159	1.10	47.4983	9.7	z	+41.462	- 0.185	- 4	46.5331	10.4
...	12.978	+49.730	1.00	46.5304	10.0	†	28.157	+ 5.055	- 3	46.5314	10.4	*	41.929	+ 9.947	1.30	46.5332	9.2
...	12.999	+22.435	- 5	...	...	S *	28.194	+51.875	2.00	45.5420	8.6	*	42.199	+11.749	1.00	46.5333	9.6
...	13.169	-46.576	- 4	...	...	...	28.294	+54.211	- 5	45.5419	10.4	†	42.245	-19.903	- 3	47.5001	10.2
...	13.253	-15.241	- 5	...	...	...	28.485	+47.363	- 5	...	...	...	42.292	+55.210	- 3	45.5444	10.2
*	+13.283	-25.853	1.40	47.4962	9.0	...	+28.676	- 3.881	- 5	...	...	*	+42.318	-35.678	1.20	47.5002	9.5
...	13.536	-36.650	- 4	47.4963	10.4	...	28.760	-31.107	- 4	47.4984	10.4	...	42.857	- 4.620	- 4	46.5334	10.4
...	13.788	+28.652	- 4	46.5305	10.4	...	28.805	+57.958	- 4	45.5422	10.4	*	43.219	-58.364	1.10	47.5004	9.9
...	14.984	-43.648	- 1	47.4966	10.3	...	29.009	-20.644	0.70	47.4985	10.3	†	43.267	+14.988	1.00	46.5335	10.0
...	14.996	-23.116	- 5	47.4965	10.4	...	29.078	-14.803	0.75	47.4986	10.0	...	43.451	-51.347	- 5	...	...
391-450																	
331	+15.033	+32.528	0.90	46.5306	9.7	...	+29.173	-31.811	- 3	47.4987	10.4	...	+44.521	+21.977	- 5	...	...
...	15.234	-49.938	- 4	47.4967	10.4	...	29.258	+50.169	- 5	46.5315	10.4	...	44.838	+57.475	- 4	45.5446	10.3
...	16.300	+29.132	- 5	...	...	...	29.857	-48.333	- 1	47.4988	10.2	...	45.015	+14.524	- 5	...	...
*	16.319	-12.721	1.00	47.4968	9.7	...	29.898	+31.476	- 2	46.5316	10.4	...	45.158	- 4.281	- 5	...	...
...	16.418	-39.792	0.65	47.4969	10.2	...	29.921	+24.219	- 5	...	...	*	45.199	- 54.646	2.00	47.5006	9.3
*	+16.661	-44.362	1.00	47.4970	9.9	...	+29.942	-28.143	- 4	...	...	...	+45.206	+58.342	- 5	45.5447	10.4
...	16.804	+21.268	0.70	46.5307	10.0	...	30.149	-32.297	- 5	...	...	...	45.225	-47.709	- 5	...	...
...	17.187	- 3.170	0.70	46.5309	10.2	...	30.221	-42.842	- 5	b	...	...	45.388	-41.472	0.95	47.5007	10.0
...	17.230	+25.176	- 5	46.5308	10.4	...	30.372	+54.507	- 5	a	...	*	45.753	-15.298	1.00	47.5005	9.8
...	17.715	-21.512	- 5	...	...	*	30.607	-15.382	1.00	47.4989	9.6	S *	45.764	-25.733	1.45	+7.5008	9.1
401-460																	
341	+18.114	-14.359	1.00	47.4972	9.7	...	+31.142	-47.790	- 5	b	...	...	+45.926	-11.998	- 5	...	...
...	18.163	-51.365	- 5	...	...	...	31.672	-15.360	0.70	47.4990	10.0	*	46.303	+54.378	1.15	45.5450	9.7
...	18.347	-26.357	- 3	47.4973	10.4	...	32.377	+20.115	0.95	46.5317	9.9	...	46.747	+44.769	- 5	46.5336	10.4
...	19.044	-25.028	- 4	...	...	...	32.640	+59.669	- 4	45.5427	10.3	...	47.086	+16.758	- 1	46.5337	9.8
...	19.411	-31.267	- 5	...	...	...	33.107	+ 3.102	- 5	...	...	...	47.126	+16.668	- 2	46.5337	9.8
...	+19.962	+36.696	- 5	...	...	...	+33.120	-28.097	- 3	47.4991	10.4	...	+47.670	+46.317	- 5	46.5338	10.4
...	20.454	+17.449	- 5	...	n	...	33.200	+34.443	- 5	46.5318	10.4	...	48.009	+39.978	- 5	46.5339	10.4
*	20.625	-38.337	1.15	47.4974	9.4	...	33.265	- 5.889	- 3	46.5319	10.4	...	48.013	-22.813	- 2	47.5009	10.2
...	20.759	+ 3.305	0.95	46.5310	10.0	...	33.308	- 7.525	- 2	46.5320	10.4	S *	48.190	+ 2.199	2.10	46.5341	8.2
S *	20.784	-56.909	2.20	47.4975	8.2	n	33.323	+34.304	- 5	46.5318	10.4	*	48.362	+ 5.413	1.30	46.5342	9.3
411-470																	
351	+20.799	-41.073	- 5	...	...	*	+33.584	-41.702	1.30	47.4993	9.4	...	+48.497	-16.038	- 4	...	...
...	20.937	-16.020	- 5	...	...	...	33.632	+57.953	- 5	a	...	...	48.591	+24.283	- 4	46.5340	10.3
...	21.511	+23.493	- 4	46.5311	10.4	...	33.881	- 2.214	0.90	46.5321	10.0	*	48.860	+ 3.816	1.00	46.5344	9.8
...	21.949	-47.053	- 5	b	...	†	34.672	-15.801	- 5	...	...	...	49.405	+ 6.778	- 5	...	...
...	22.026	-41.258	- 4	47.4976	10.4	...	35.065	-40.958	- 2	47.4994	10.3	*	49.471	+40.598	1.15	46.5343	9.5
...	+22.192	-40.765	- 5	b	...	...	+35.169	+54.551	- 3	45.5431	10.4	...	+49.634	+10.385	- 5	46.5345	10.3

- 47°

No. 68

CAPE ASTROGRAPHIC ZONE.

1902·30

11^h 15^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
481-490																		
48 ¹							49 ¹						50 ¹					
n *	+51°197	+14°243	1°00	46.5347	9°5	...	+53°544	-27°705	-1	47.5014	10°0	...	+57°799	-2°664	0°90	46.5357	10°2	
...	51°222	-52°027	-3	47.5013	10°3	...	53°607	+47°692	-5	...	...	...	58°313	+28°840	1°00	46.5355	9°9
...	51°244	+3°792	-4	46.5349	10°4	†	54°270	-54°921	-5	...	...	...	58°416	+52°091	-5	45.5462	10°4
n *	51°342	+14°276	1°00	46.5347	9°5	...	54°366	+11°227	-4	46.5352	10°4	...	58°500	+57°515	-4	45.5463	10°3	
*	51°376	-12°005	1°00	47.5011	9°5	...	54°940	+42°207	-5	46.5353	10°4	...	58°587	+24°223	-4	...	...
...	+52°019	+47°508	-5	46.5348	10°4	...	+55°937	-25°030	-4	...	...	...	+59°182	+53°521	-5	...	...
...	52°398	-11°854	-5	...	...	*	56°430	-54°598	1°15	47.5015	10°0	...	...	...	...	...	...
...	52°735	-4°869	-4	...	...	...	56°541	+22°197	-3	46.5354	10°4	...	...	...	...	...	...
...	52°841	+21°674	-4	46.5351	10°4	...	57°670	-7°399	-4	46.5356	10°4	...	...	...	...	...	...
...	53°049	+41°082	-4	46.5350	10°4	...	57°695	-53°161	-5	...	...	...	...	...	...	...	...

481, 484. C.P.D., mass.

- 47°

No. 69

D,-4

1902·30

11^h 25^m

1-40					41-80					81-120							
I					4 ¹					8 ¹							
...	-59°542	+14°736	0°95	46.5335	10°0	...	-50°853	+32°908	-5	M	...	S *	-41°155	-46°299	1°75	47.5016	9°6
...	59°452	-20°176	0°75	47.5001	10°2	...	50°576	+41°128	-4	46.5350	10°4	...	41°059	-21°806	-2	...	...
†	59°316	-4°884	-4	46.5334	10°4	*	50°561	-12°003	1°05	47.5011	9°5	...	41°022	+19°743	0°80	...	...
...	59°305	+57°253	-4	45.5446	10°3	...	50°223	+47°736	-4	...	...	*	40°825	-26°791	1°15	47.5017	9°8
...	58°969	+58°123	-5	45.5447	10°4	...	50°199	-29°430	-5	...	...	...	40°817	+53°429	-5	M	...
*	-58°860	-35°945	1°30	47.5002	9°5	†	-50°165	+21°725	-3	46.5351	10°4	...	-40°380	-40°507	-1	...	...
...	58°502	+21°753	-5	...	...	...	49°664	-58°113	-2	47.5012	10°2	...	40°291	-49°525	-5	...	...
...	57°780	+14°322	-5	...	...	...	49°547	-11°815	-4	...	...	...	39°687	-48°590	-5	...	...
...	57°763	+54°204	1°30	45.5450	9°7	...	49°480	-2°347	-5	B	...	...	39°650	-29°348	-5	M	...
...	57°245	-58°612	-1	47.5004	9°9	...	49°446	-52°012	-2	47.5013	10°3	...	39°648	+30°130	-3	...	...
II					5 ¹					9 ¹							
...	-57°234	-51°559	-5	...	...	†	-49°431	-4°808	-4	...	...	...	-39°604	+11°469	0°95	46.5362	10°3
...	56°998	+44°005	-5	46.5336	10°4	...	48°724	+42°314	-5	46.5353	10°4	...	39°413	-52°424	-1	...	...
...	56°128	+46°172	-4	46.5338	10°4	...	48°313	+11°325	-1	46.5352	10°4	...	39°226	-31°392	1°00	47.5018	10°3
*	56°087	-15°459	1°00	47.5005	9°8	...	47°901	-27°616	0°75	47.5014	10°0	*	37°875	+41°540	1°40	46.5363	9°6
...	56°009	-12°162	-5	...	...	...	46°480	+22°361	-2	46.5354	10°4	...	37°398	+36°999	-4	...	...
n	-55°766	+16°625	-1	46.5337	9°8	†	-46°321	-54°781	-2	...	...	†	-37°224	+29°994	0°65	...	...
S *	55°738	-25°896	2°05	47.5008	9°1	...	45°646	+57°714	-2	45.5463	10°3	...	37°222	-34°425	-4	...	...
n	55°722	+16°537	-1	46.5337	9°8	†	45°599	-24°868	-3	...	...	*	37°090	+40°379	1°20	46.5364	9°6
...	55°678	-46°458	-5	...	...	...	45°571	+52°286	-3	45.5462	10°4	...	36°918	-3°180	-5	M	...
...	55°606	-41°641	0°90	47.5007	10°0	...	44°942	+29°065	1°00	46.5355	9°9	...	36°844	+23°666	-5	...	...
21					6 ¹					10 ¹							
...	-55°580	+39°851	-5	46.5339	10°4	...	-44°862	+53°742	-4	...	...	...	-36°819	-25°235	-3	...	...
...	55°569	-47°878	-5	...	...	...	44°520	+24°455	-2	...	...	...	36°813	+23°440	-4	...	...
†	55°370	-54°816	2°00	47.5006	9°3	...	44°453	-2°446	0°90	46.5357	10°2	...	36°788	+57°698	-5	...	...
...	54°654	+37°855	-5	...	...	...	44°422	-7°190	-5	46.5356	10°4	...	36°616	-55°830	-4	...	...
...	54°508	+24°186	-3	46.5340	10°3	...	44°144	-54°404	1°30	47.5015	10°0	...	36°578	-1°210	0°90	...	...
S *	-54°200	+2°104	2°35	46.5341	8°2	...	-43°800	+2°197	-5	...	...	...	-36°575	+52°352	-1	...	...
*	54°160	+40°517	1°35	46.5343	9°5	...	43°529	+44°767	-5	M	...	...	35°902	-12°773	-5	...	...
*	54°128	+5°316	1°40	46.5342	9°3	...	43°288	+55°555	-1	...	...	...	35°374	+0°190	1°00	46.5365	10°3
...	53°579	-22°903	-2	47.5009	10°2	...	42°939	-52°918	-5	...	...	...	35°370	+4°630	-5	...	...
...	53°578	+3°740	1°00	46.5344	9°8	...	42°889	+18°896	-5	M	...	*	35°362	-26°807	1°05	47.5020	10°0
31					7 ¹					III							
...	-53°309	-16°106	-4	...	...	...	-42°867	+28°849	-5	M	...	...	-34°901	+47°759	-3	...	...
...	53°140	+6°700	-5	...	...	...	.42°849	-54°258	-5	...	...	...	34°616	+28°637	0°75	46.5366	10°3
...	53°023	+10°332	-2	46.5345	10°3	*	42°604	+11°734	1°20	46.5359	9°6	...	34°510	+25°376	-5	...	...
...	52°587	+18°217	-2	46.5346	10°4	...	42°603	+34°273	-5	...	...	...	34°181	-5°544	-5	M	...
...	52°131	+59°288	-5	M	...	...	42°509	+2°779	1°90	46.5358	9°1	...	34°154	-13°875	-5	...	...
...	-52°083	+19°736	-5	...	...	...	-42°444	+16°878	1°00	46.5360	10°0	†	-34°008	+30°026	0°90	46.5367	10°3
...	51°807	+47°514	-4	46.5348	10°4	...	41°977	+54°169	-5	...	...	...	33°918	-7°553	-1	...	...
...	51°585	+14°245	1°00	46.5347	9°5	*	41°909	-33°015	-5	B	...	...	33°507	+21°378	-4	...	...
...	51°450	+14°281	1°00	46.5347	9°5	*	41°685	+3°595	3°00	46.5361	8°2	...	33°035	+35°628	-5	...	...
...	51°208	+3°795	-4	46.5349	10°4	...	41°635	+28°933	-2	32°952	-3°093	0°70

L measured from 1, 171, 324.
C " " 88, 248, 408.

16, 18. C.P.D., mass.

11^h 25^m

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- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.			
121-180																				
121	*	-32·658	-56·389	1·20	47·5021	10·1	181	-17·829	-31·236	0·90	0	...	241	-1·197	+22·470	-5	0	...		
...	32·655	-10·180	-5	...	...	...	...	17·459	-30·373	0·90	...	...	...	+	1·104	-54·759	-1	...	...
S *	32·484	+40·778	2·00	46·5368	9·1	...	...	17·453	-40·669	-5	M	...	...	*	0·892	+8·867	1·15	46·5385	9·6
...	32·395	+46·157	0·65	...	...	...	...	17·121	-37·658	-4	...	...	...	...	0·725	-56·428	-5	...	...
...	32·021	+4·155	-3	...	...	...	...	16·934	-54·122	-5	M	...	...	S *	0·642	-21·746	2·55	47·5040	8·2
...	-31·860	+14·369	-5	15·869	-23·020	-5	M	+	0·307	-35·838	-2
...	31·374	+18·317	-5	15·580	+49·396	0·95	46·5379	10·3	+	0·275	+13·445	1·05	46·5386	9·6
*	30·978	+25·231	2·50	46·5369	8·6	15·089	-44·316	-4	+	0·118	-25·217	0·70	47·5041	10·3
...	30·353	-2·548	-5	M	...	...	...	14·733	+0·927	1·00	46·5380	10·3	...	...	0·346	+58·747	-5	m	...
...	29·465	-18·357	-1	47·5022	10·3	...	...	14·483	-42·946	-4	...	...	...	...	0·969	-10·844	-5	M m	...
131	...	-29·223	+16·349	-5	191	-14·344	+1·054	-5	+	1·487	+15·360	0·70	46·5387	10·3
...	29·158	-56·619	1·15	47·5023	10·2	...	...	14·207	-27·922	-1	47·5032	10·3	...	...	1·655	-52·739	-5	...	...
+	28·621	+49·915	1·20	46·5370	9·8	...	...	13·842	-30·574	-4	...	...	...	+	2·199	-26·453	1·20	47·5042	9·6
...	28·436	-14·381	-5	M	...	...	...	13·610	-7·069	-1	46·5381	10·3	...	...	2·335	-22·840	-1	...	...
...	28·340	-54·212	0·85	...	...	...	...	13·418	-29·365	-4	...	...	...	+	2·850	+35·454	1·25	46·5388	9·6
...	-27·955	-46·144	-5	B	...	...	...	13·343	+43·151	-5	...	...	...	+	2·921	+37·699	0·70	...	...
...	27·791	-52·467	0·80	...	...	...	...	13·208	-4·259	-5	M	...	...	...	2·924	-42·922	-5	...	...
...	27·588	+52·525	-5	...	...	...	...	12·464	-23·392	-5	M	...	...	...	3·336	-59·492	-2	...	...
...	27·505	+1·272	-5	...	...	...	...	12·179	+56·536	-3	...	...	...	...	4·086	-28·440	0·70	47·5044	10·3
...	27·383	-30·411	-5	...	...	...	...	11·875	-8·652	1·05	47·5033	10·1	...	...	4·467	+49·121	0·65	...	...
141	...	-27·183	-12·751	2·75	47·5024	8·0	201	-11·559	-30·702	-4	+	4·680	+4·798	-4	m	...
S *	26·742	-15·356	-3	...	...	...	...	10·686	+47·727	-2	...	...	...	+	4·718	+22·164	-3	...	...
...	26·507	+36·241	0·70	...	...	...	...	10·547	-45·522	-5	M	...	...	+	4·724	-35·344	-5	...	...
...	26·240	-40·687	-4	...	...	†	...	10·250	+12·339	0·90	46·5382	10·3	...	...	5·154	-42·300	-4	...	...
...	26·023	+34·593	0·95	46·5371	10·2	...	...	10·047	+59·290	-5	...	...	...	...	5·390	-50·012	-3	...	...
*	-25·862	-56·845	1·35	47·5025	9·6	...	...	9·273	+1·810	-5	...	...	...	+	5·444	+54·775	-2	45·5498	10·3
...	25·687	+5·180	0·90	46·5372	10·3	...	...	9·142	-14·296	-5	...	...	...	...	5·523	-31·764	-4	...	...
...	25·679	-24·979	1·00	47·5026	10·3	...	...	8·576	-11·964	-5	M m	...	...	...	5·752	-11·511	-4	...	...
...	25·590	-38·320	-4	A	...	...	...	8·507	+58·942	-5	...	...	...	...	5·980	-42·787	0·70	47·5045	10·3
...	25·452	-16·687	1·00	47·5027	10·2	...	...	8·475	+7·303	-2	...	...	...	+	6·102	+34·960	-5	...	...
151	†	-25·211	+25·750	-3	211	-8·242	-8·268	0·95	47·5034	10·0	+	6·320	-55·262	-4	m	...
...	25·056	+34·272	-3	...	...	*	...	8·074	+7·621	1·00	46·5383	10·0	...	...	6·654	-36·499	1·10	47·5046	9·8
...	25·010	-46·351	-5	...	...	...	...	8·031	+43·846	-5	...	...	...	+	6·752	-44·280	1·40	47·5047	9·4
...	24·897	+46·873	0·95	46·5373	10·3	†	...	7·901	-39·780	0·80	...	...	...	...	7·406	+13·074	-5	m	...
...	23·920	+3·950	-4	...	...	...	...	7·736	+16·552	-3	...	...	...	...	7·455	+20·312	-4	...	...
...	-23·260	+36·590	-5	...	...	...	...	7·362	-58·470	-5	...	...	...	S *	7·578	+15·541	1·60	46·5389	9·4
...	21·811	+18·401	-5	...	...	...	...	7·359	+32·002	-3	m	...	...	...	7·645	+11·587	-3	...	...
...	21·601	+17·983	-5	...	...	...	...	7·271	-31·814	-5	m	...	...	...	8·343	-55·662	-5	...	...
...	21·502	+46·305	-4	...	...	*	...	7·116	-50·547	1·30	47·5035	9·5	...	...	8·519	-19·617	-3	...	...
...	21·446	-57·134	0·65	...	...	...	...	6·814	-39·055	-2	...	...	...	...	8·596	+59·302	0·70	...	...
161	...	-21·413	-7·295	-5	221	-6·688	-39·429	-5	+	8·778	-25·807	-3
...	21·377	+40·580	1·00	46·5374	10·3	N *	...	6·167	-49·993	1·20	47·5036	9·6	...	...	9·221	+45·441	0·70	46·5390	10·3
*	21·287	+59·192	1·40	45·5481	9·5	...	...	5·817	-45·560	-5	M m	...	...	...	9·229	-51·509	-3	...	...
...	21·169	+11·406	-5	...	...	...	...	5·793	+53·122	-4	m	...	...	+	9·437	+1·195	2·20	46·5391	9·2
...	21·159	+51·263	-5	...	...	...	...	5·732	-40·510	-5	M m	...	...	+	9·683	-51·680	-4	...	...
...	-20·989	+16·079	-4	...	...	...	...	5·511	+24·698	-5	...	...	...	+	10·237	+56·138	-3	...	...
...	20·678	-56·214	-5	A	...	...	...	5·477	+51·608	-4	...	...	...	...	10·351	-2·336	-3	...	...
...	20·533	+55·269	-4	...	...	...	...	5·399	+45·879	-5	m	...	...	...	10·449	-11·407	-2	...	...
...	20·368	-51·900	-4	A	...	...	...	5·331	+23·924	-5	m	...	...	...	10·759	+10·590	1·00	46·5392	10·1
*	20·314	-22·141	1·80	47·5028	9·4	†	...	5·105	-23·917	1·00	47·5037	10·0	...	...	11·076	-25·487	2·30	47·5048	8·6
171	*	-19·613	+34·604	2·00	46·5375	9·0	...	-4·820	+39·343	-5	m	...	...	...	+11·319	+53·488	0·65	45·5501	10·3
...	19·441	-37·871	-4	...	...	...	...	4·030	+30·920	-5	m	...	...	...	11·555	-1·021	0·70	46·5393	10·3
...	19·386	+9·198	-5	...	...	...	...	3·824	-55·521	-4	...	...	...	...	11·596	+20·188	1·00	46·5394	10·1
...	19·114	+37·132	1·00	46·5376	10·2	...	...	2·743	-58·597	-1	...	...	...	...	11·853	-7·375	0·70	46·5395	10·3
...	18·882	-6·272	-3	...	...	...	...	2·332	+42·732	-5	m	...	...	...	12·000	+12·862	-5	m	...
...	-18·569	+43·859	0·80	46·5377	10·3	...	...	2·072	-28·314	-5	m	...	...	...	+12·120	+26·578	-5	m	...
...	18·308	-23·894	0·95	47·5029	10·1	*	...	2·059	+33·331	1·40	46·5384	9·5	...	...	12·247	-24·294	-3	...	...
...	18·058	+58·159	1·00	45·5484	10·1	...	...	1·998	+54·370	1·00	45·5493	10·3	...	...	12·568	-10·994	-4	...	...
*	17·990	-32·223	1·00	47·5030	10·0	*	...	1·788	-17·657	1·00	47·5039	10·2	...	...	12·652	-55·721	-5	...	...
S *	17·832	+11·951	3·00	46·5378	8·0	...	...	1·467	+25·187	-5	m	...	...	...	13·280	-21·303	0·80	47·5050	10·3

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
301-360																			
301	+13·474	+15·824	-5	o	m	...	361	+28·107	-0·299	-3	o	...	421	+42·849	-4·991	1·00	46·5414	10·3	
...	13·527	+34·350	-5	m	...	*	28·523	+29·425	3·00	46·5405	7·9	...	42·865	+28·794	-5	m	...	...
...	13·577	-49·289	-5	m	...	...	28·937	-22·947	-5	...	...	...	42·871	+48·602	-5	m	...	...
†	14·115	-24·831	-5	m	...	...	28·971	-15·318	-2	...	...	...	42·973	-43·399	-1	...	...	...
...	14·254	-50·574	1·00	47·5052	10·2	...	29·472	+11·608	-4	...	...	...	43·026	+50·327	-5	m	...	...
...	+14·296	-38·981	-5	...	...	...	+29·580	+25·391	1·00	46·5406	10·3	...	+43·210	+22·142	0·70	...	...	...
...	14·774	-11·278	-5	...	...	...	30·046	+29·113	-3	...	...	...	43·388	+35·092	1·40	46·5413	9·4	...
S *	14·981	+43·319	2·45	46·5396	8·3	...	30·294	+51·564	-3	...	...	...	43·448	-20·426	-2	...	...	...
...	15·408	+21·729	-1	46·5397	10·3	...	30·486	+18·017	-4	b	...	...	43·578	-53·724	0·90	47·5070	10·1	...
...	15·531	+47·182	-4	...	...	...	30·492	-25·164	-5	...	...	...	43·935	+47·127	-5	m	...	...
311	+15·556	-2·606	-5	m	...	371	+30·618	+43·814	1·20	46·5407	9·8	431	+44·257	-17·639	-3	...	...	...
...	16·116	+42·345	-5	...	...	...	30·775	+51·782	-5	m	...	...	44·302	-55·639	-1	47·5071	10·3	...
...	16·184	-21·108	0·70	47·5054	10·3	...	30·937	-4·492	-5	...	...	...	44·501	+55·738	-4	...	...	...
†	16·693	-9·894	-4	...	...	...	31·027	+54·762	-5	m	...	...	44·600	+12·554	0·65	46·5416	10·3	...
...	16·877	+6·262	-5	m	...	...	31·376	+53·500	-1	45·5513	10·3	S †	44·672	+34·860	2·50	46·5415	8·6	...
...	+16·959	+20·754	-4	...	...	...	+31·391	+31·651	-4	...	...	...	+44·937	-51·324	-5	...	...	...
N *	[17·138	+58·102	2·00	45·5505	9·0	...	31·513	+19·423	-5	m	...	...	45·149	-16·668	-5	m	...	...
...	17·958	+42·825	1·00	46·5398	10·3	...	32·565	-43·919	-5	a	...	...	45·411	-12·663	-3	...	...	...
...	18·335	+20·305	1·00	46·5399	10·1	...	32·575	+32·263	-4	...	...	...	45·486	-46·698	1·30	47·5072	9·6	...
...	18·624	-28·429	-5	...	...	...	32·720	-24·398	0·90	47·5062	10·3	...	45·577	-3·190	1·00	46·5418	10·2	...
321	* +18·675	-31·601	1·40	47·5056	9·6	...	381	+33·061	-51·072	-5	441	+45·678	+29·104	0·70
...	18·736	+49·807	-5	m	...	...	33·203	-28·003	0·65	...	...	...	45·830	-34·297	-4	...	...	...
...	19·278	-3·712	0·80	46·5400	10·2	*	33·309	-24·657	1·05	47·5063	10·0	...	45·830	+42·823	0·90	46·5417	10·3	...	
...	20·313	+17·216	-4	...	...	...	33·469	-23·862	-4	...	...	...	45·883	-48·247	1·05	47·5074	9·8	...
...	20·315	-24·290	-5	...	...	...	33·489	+35·023	-2	...	...	...	46·063	-23·312	-4	...	...	...
S *	+20·461	+25·738	-2	...	...	...	+33·588	-55·858	-5	...	...	...	+46·490	+2·885	-5	e	...	...
...	20·606	-40·259	1·95	47·5057	8·8	...	34·078	-56·925	-5	...	...	...	46·514	-25·097	-4	...	...	...
...	20·803	-6·418	-5	m	...	...	34·551	+48·990	-1	...	...	...	46·660	+10·179	-2	...	...	...
...	20·896	-43·616	-3	...	...	...	34·557	+29·032	-1	...	...	...	46·863	+34·497	2·00	46·5421	9·0	...
...	20·916	-27·652	-3	...	...	...	34·965	-54·909	-5	...	...	...	46·918	+34·980	-3	46·5419	10·3	...
331	+21·797	-8·712	-5	m	391	+35·317	+37·394	1·00	46·5408	10·3	451	+46·959	+38·944	1·00	46·5420	10·2	...
...	21·855	+51·865	-2	...	...	...	35·378	-26·382	0·70	47·5064	10·3	...	46·969	+53·403	-1	45·5523	10·3	...
*	21·987	-54·924	1·25	47·5058	9·8	...	35·401	+46·761	1·00	46·5409	10·0	...	47·070	-2·666	-4	46·5422	10·3	...	
...	22·352	+11·166	1·00	46·5401	10·0	...	35·496	-11·474	-4	...	...	...	47·136	-18·799	-5	...	...	...
...	22·590	-56·127	-4	...	...	...	35·516	-18·789	-1	47·5065	10·3	...	48·162	+26·962	-1	46·5423	10·3	...
...	+22·751	+6·821	-5	...	...	...	+35·859	-24·310	-5	m	...	...	+48·801	+40·155	-5	m	...	...
...	22·883	+26·167	-5	m	...	...	35·933	-42·825	-2	...	...	...	48·874	-41·395	-5	...	...	...
†	22·888	+0·156	-5	m	...	*	36·697	-25·406	1·05	47·5066	9·8	...	48·925	+16·933	0·65	...	...	...
...	22·998	+29·257	-4	...	...	...	37·236	+0·691	-2	...	...	...	48·999	-57·714	-5	...	...	...
...	23·064	-58·583	-4	...	...	*	37·520	+11·768	1·00	46·5410	10·0	...	49·528	-39·842	-5	...	...	...
341	+23·112	-28·829	-3	401	+37·655	+23·463	-5	461	+50·392	-29·278	-5
...	23·685	+39·744	-4	...	...	...	38·069	-41·051	-4	...	...	...	50·910	+12·432	-5	m	...	...
...	23·870	-26·216	-5	m	...	...	38·284	+53·570	-5	m	...	...	51·110	+35·222	-5	m	...	...
...	23·968	+2·876	-2	38·775	-46·035	-1	S *	51·283	-32·798	1·70	47·5078	9·4	...
...	24·285	-24·985	-5	m	...	...	39·105	+43·838	-5	m	...	...	51·470	+29·389	0·65	...	...	...
†	+24·733	-15·538	-5	...	...	...	+39·182	-6·646	-4	...	...	...	+51·629	-27·310	-5	...	...	...
...	25·051	+19·499	1·00	46·5402	10·1	*	39·639	-44·957	1·00	47·5068	9·6	...	51·831	-47·926	-1	47·5080	10·3	...	
...	25·174	+18·320	-5	...	...	*	39·696	-32·393	-1	47·5067	10·3	*	52·115	-22·215	1·10	47·5079	10·0	...
...	25·284	+17·025	-4	...	...	...	39·756	-12·675	-4	...	...	...	52·348	+28·362	-5	m	...	...
...	25·367	-59·092	-5	...	...	...	39·872	-8·475	-5	...	...	...	53·158	+25·941	1·80	46·5424	9·0	...
351	+26·100	+42·704	-1	...	...	*	+40·577	+38·549	2·00	46·5411	9·1	...	+53·644	+22·849	-2	...	...	...
...	26·416	+32·007	-5	m	...	...	40·644	+9·117	-5	m	...	...	53·924	-5·663	-5	...	...	...
...	26·458	+34·708	-1	...	...	...	40·976	-38·673	0·70	47·5069	10·3	...	53·940	+27·863	-5	m	...	...
...	26·551	-30·967	1·00	47·5060	10·1	...	40·989	-27·480	-4	S *	55·399	+10·356	3·65	46·5425	7·0	...
...	26·740	-45·491	-5	...	...	...	41·038	-26·982	-4	...	...	...	55·422	-42·055	-5	...	...	...
...	+27·232	-50·508	-5	...	...	...	+41·147	+35·375	0·70	46·5412	10·3	...	+55·468	-33·450	-4	...	...	...
...	27·258	+47·611	1·00	46·5403	10·3	...	42·573	-5·665	-5	m	...	...	56·035	+16·321	-5	e	...	...
...	27·635	-17·555	-5	m	...	...	42·579	-51·595	-2	...	...	...	56·484	-44·632	0·90	47·5082	10·3	...
*	27·933	-28·106	1·90	47·5061	9·6	...	42·619	+50·578	-5	m	...	...	56·615	+44·042	-5	m	...	...
*	28·033	+1·717	1·40	46·5404	9·5	...	42·788	+25·426	-5	...	...	...	56·856	-35·713	1·10	47·5083	10·0	...

317. Mass. 46°·70, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-4.	No.	Mag.	x.	y.		...	No.	Mag.	x.	y.	...	No.	Mag.	
481-487																		
481	+56·858	-51·048	-1	°	47.5084	10·3												
...	56·911	-12·198	-5	...	...	...									
...	57·518	-19·125	-4	...	...	...									
*	57·746	+46·006	1·20	46.5426	9·6													
...	58·088	+16·234	1·00	46.5427	10·3													
...	+58·359	-36·703	1·00	47.5085	10·1													
†	59·585	+22·543	1·70	46.5428	8·8													

1-40					41-80					81-120									
I	-59·826	+21·881	-1	°	41	-43·855	-50·846	-2	47.5084	10·3	81	-30·051	-33·298	1·00	47.5096	9·8
...	59·632	+55·497	-5	...	...	*	43·469	+22·791	2·00	46.5428	8·8	†	30·013	-7·792	-5	...	...	...
S *	59·328	-5·262	1·00	46.5414	10·3	...	43·023	+51·232	-5	...	...	...	29·473	-12·454	-3	...	...	...
...	58·766	+34·650	2·60	46.5415	8·6	...	42·863	+49·733	-5	...	...	...	29·364	+33·659	-5	...	...	...
...	58·233	-20·660	-3	...	...	...	42·821	-36·447	1·00	47.5085	10·1	...	28·400	-27·651	1·00	47.5097	10·0	...
...	-58·131	+12·343	0·95	46.5416	10·3	...	-42·676	+59·452	-1	...	...	...	-28·183	+26·181	-4	46.5438	10·3	...
...	58·112	-51·849	-3	...	...	*	41·825	-18·706	1·80	47.5086	9·6	...	28·099	-10·780	-4	...	...	...
...	57·975	-43·633	-3	...	...	...	40·774	-12·292	-2	...	...	...	\$ +	27·892	-49·702	2·50	47.5098	8·3
...	57·871	+42·630	1·00	46.5417	10·3	S †	40·058	-5·491	5·05	46.5429	6·3	*	27·527	-45·888	1·05	47.5099	9·6	...	
...	57·581	+28·917	-1	...	...	...	39·655	+3·324	1·00	46.5430	10·0	*	27·435	+9·593	2·00	46.5439	8·6	...
II						51						91							
...	-57·512	-17·858	-4	...	...	...	-39·467	+40·829	-5	B	...	...	-27·403	-45·621	-4	...	...	...
...	57·063	+53·255	-4	45·5523	10·3	...	39·418	+55·289	0·75	45·5529	10·1	...	26·858	+15·130	-4	...	...	...
...	57·047	-53·946	-1	47·5070	10·1	...	39·214	+33·619	-3	...	...	...	26·262	-13·757	-5	...	...	...
...	56·662	-3·376	0·95	46.5418	10·2	...	38·594	+59·148	-4	45·5530	10·3	*	25·927	+27·674	1·30	46.5440	9·1	...	
...	* 56·622	+38·795	1·05	46·5420	10·2	...	38·352	-11·726	-3	47·5088	10·3	...	25·633	+18·630	-2	46.5441	10·3	...	
*	-56·567	+34·351	2·00	46·5421	9·0	...	-38·122	+41·423	0·80	46·5431	10·3	*	-25·269	+23·718	1·30	46·5442	9·4	...	
...	56·530	+34·836	-5	46·5419	10·3	...	37·891	-6·791	-5	...	...	...	25·104	-28·392	-5	...	...	...
...	56·502	-12·843	-4	...	*	...	37·877	-9·521	1·20	47·5090	9·5	N *	24·517	+36·697	1·40	46·5443	9·2	...	
...	56·254	-55·841	-4	47·5071	10·3	...	37·763	+34·583	0·95	46·5432	10·2	...	24·278	-55·774	-5	...	...	...
...	55·935	+2·731	-5	E	...	*	37·706	-40·818	2·60	47·5089	8·3	*	23·901	+14·842	3·00	46·5444	7·9	...	
21						61						101							
*	-55·354	-46·869	1·40	47·5072	9·6	...	-37·332	+51·821	0·85	45·5532	10·2	...	-23·839	-54·610	-5	...	...	...
...	55·186	-2·804	-5	46·5422	10·3	...	37·307	-31·113	-5	...	...	S *	23·330	+50·501	2·20	46·5445	8·3	...
...	55·038	+26·848	-4	46·5423	10·3	*	36·440	-26·632	1·00	47·5091	9·6	*	23·253	-11·746	5·00	47·5100	7·2	...	
†	55·017	-25·223	-5	...	...	...	36·230	-41·378	1·00	47·5092	9·8	...	23·232	-31·188	-3	...	...	...
†	54·915	-48·412	1·00	47·5074	9·8	...	36·228	-6·372	-3	46·5433	10·3	...	22·606	-34·936	-3	47·5101	10·3	...	
...	53·955	+16·857	-1	...	...	...	-36·214	+41·617	-4	...	...	...	-22·145	+44·037	-3	46·5446	10·3	...
S +	51·797	+29·396	-4	...	...	...	36·086	+40·525	0·85	46·5434	10·3	...	21·706	+23·485	0·90	46·5447	10·2	...
...	50·006	-32·774	1·50	47·5078	9·4	...	35·985	-55·081	-5	...	...	...	21·277	-35·102	-5	...	...	...
+	50·003	+25·995	2·50	46·5424	9·0	...	35·729	-8·726	-5	...	...	...	21·223	-39·768	-3	...	...	...
...	49·512	-22·172	1·00	47·5079	10·0	*	35·635	-26·044	1·00	...	...	...	21·006	+24·137	1·05	46·5448	10·0	...
31						71						111	47·5093	8·6	...				
...	-49·441	+22·906	-4	...	...	*	-35·525	-25·999	1·40	...	...	...	-20·705	-33·731	-2	47·5102	10·3	...
...	48·977	-47·900	-1	47·5080	10·3	...	34·686	+37·624	-2	...	...	...	19·952	-11·657	-2	47·5103	10·3	...
S *	47·244	+10·478	4·05	46·5425	7·0	...	33·676	+24·002	1·00	46·5435	10·3	*	19·902	+43·185	1·90	46·5449	9·0	...	
...	46·828	+16·470	-5	E	...	...	33·534	+31·038	-5	B	...	...	19·871	+35·342	-5	B	...	...
*	46·062	+46·183	1·30	46·5426	9·6	...	33·313	+37·921	1·00	46·5436	10·2	...	19·429	+43·240	1·00	46·5450	10·0	...	
...	-45·794	-33·281	-4	...	*	...	-32·940	+8·108	1·50	46·5437	9·1	...	-19·262	-47·224	1·00	47·5104	10·2	...	
...	44·787	+16·450	1·00	46·5427	10·3	...	32·522	-35·149	-4	...	...	...	17·988	+21·650	-5	...	...	...
...	44·428	-44·441	0·95	47·5082	10·3	*	30·634	-26·616	2·80	47·5095	8·0	...	15·629	-57·712	-3	...	...	...
...	44·350	-35·511	1·05	47·5083	10·0	...	30·435	-47·389	-3	47·5094	10·3	...	15·265	+28·852	-5	...	...	...
...	44·212	-18·912	-4	...	...	...	30·276	-14·175	-5	...	...	...	15·210	-19·994	-3	...	...	...

L measured from 1, 112, 210.
C 50, 164, 266.

98. Mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
121-180																		
121	-14·562	+56·657	-5	o	...	181	+9·043	-3·510	-5	o	...	241	+28·959	-5·679	-3	o	...	
...	14·383	-13·554	-3	47·5105	10·3	...	9·325	-0·103	-3	46·5461	10·3	...	29·005	-43·125	-1	...	...
*	13·947	-52·970	2·00	47·5106	8·6	...	10·226	-46·626	-2	47·5126	10·3	...	29·207	+24·833	-4	...	...
...	13·834	+59·394	-5	...	...	...	10·597	-27·236	1·00	47·5127	10·2	...	30·200	-32·005	-3	...	...
*	12·889	-24·637	1·05	47·5107	9·6	...	11·097	+17·159	-4	...	...	...	30·570	-27·940	-3	...	...
...	-12·855	+33·193	1·00	46·5451	10·2	...	+11·616	+32·666	0·70	46·5462	10·3	...	+32·368	+0·534	-4	...	...
...	11·717	+44·577	-5	...	...	...	11·798	-32·618	1·00	47·5128	9·8	...	32·937	-18·698	-4	...	...
...	11·569	-19·210	-2	47·5108	10·3	...	12·597	-16·090	1·00	47·5129	9·8	...	33·184	-41·667	1·00	47·5137	9·8	
...	10·905	-0·970	-4	46·5452	10·3	...	12·788	+12·482	-4	46·5463	10·3	...	33·651	-51·786	-5	...	...
S*	10·880	-17·851	3·00	47·5109	7·9	...	12·836	+17·597	-2	46·5464	10·3	...	33·697	+15·936	-5	...	...
131	-10·169	+40·946	1·20	46·5453	9·6	191	+12·840	+14·600	0·95	46·5465	10·2	...	+33·823	-14·450	-2	...	...
†	9·979	-20·719	-3	...	...	...	13·212	-23·751	1·00	47·5130	10·0	...	34·135	-50·647	-1	...	...
...	9·457	+26·171	0·65	46·5454	10·3	...	13·214	+15·482	-5	...	...	...	34·357	+17·507	1·30	46·5482	9·5
*	9·257	-53·887	1·15	47·5110	9·6	...	13·259	+27·578	0·90	46·5466	10·2	...	34·535	-27·356	0·95	47·5139	10·3	
...	8·670	-22·074	-3	47·5111	10·3	*	13·335	-38·203	1·20	47·5131	9·4	...	35·982	+57·281	-5	...	...
-	8·528	+47·740	1·00	46·5455	9·8	*	+13·784	+39·592	2·00	46·5468	8·8	...	+36·246	-10·245	1·00	47·5140	10·3	
...	7·527	+37·788	-4	...	...	...	13·972	+50·743	0·70	46·5467	10·1	...	36·538	-26·718	0·70	...	...
...	5·175	+20·633	-4	...	...	†	14·842	-58·653	-5	...	...	...	37·014	-44·297	-4	...	...
...	5·004	-47·914	1·05	47·5112	9·8	...	15·035	-50·806	-5	...	...	...	37·048	-30·608	-4	...	...
†	4·992	+33·534	-4	...	...	...	16·859	+27·159	0·85	46·5469	10·2	...	37·442	-44·599	-4	...	...
141	-4·521	-46·579	-3	...	...	201	+17·282	-4·211	0·90	46·5471	10·3	*	+37·845	+26·458	2·00	46·5483	9·1
...	4·448	+17·286	-4	...	...	...	17·341	+43·077	-3	46·5470	10·3	...	38·006	+26·242	0·95	46·5484	10·2
...	4·265	+53·125	1·05	45·5554	10·0	...	17·463	-34·164	-5	...	...	...	38·290	-27·750	0·70	...	...
S*	4·217	-55·658	1·55	47·5113	8·8	...	17·497	+58·710	-5	S*	38·453	-22·401	2·00	47·5143	9·0
...	3·957	-56·933	-5	...	...	...	17·886	+21·855	0·70	46·5472	10·3	...	39·133	-3·813	1·00	46·5485	10·1
...	-3·605	-12·240	1·05	47·5114	9·6	*	+19·099	+48·280	1·10	46·5473	9·8	...	+39·962	-24·519	1·00	47·5144	9·8	
...	3·414	-1·656	-5	...	...	...	19·733	+31·795	-3	...	...	...	40·244	+40·609	0·80	46·5486	10·1
...	3·242	-36·889	-5	...	...	...	19·737	-55·054	-5	...	...	...	41·110	-35·208	-5	...	...
...	2·639	-4·506	-1	46·5456	10·3	...	19·780	+30·252	-4	...	...	...	42·115	+39·683	-3	...	...
...	2·523	-42·717	-5	...	...	n	20·584	+3·802	-4	46·5474	10·3	*	42·181	-25·196	1·80	47·5145	9·0
151	-2·134	-24·212	1·00	47·5115	10·0	...	20·678	-42·742	-3	271	+42·198	+26·901	-1	46·5487	10·3
...	1·800	-55·995	-4	...	...	n	20·711	+4·072	-4	46·5474	10·3	*	42·682	-39·768	1·40	47·5146	9·1
...	1·672	+47·967	-5	...	...	†	20·835	+29·920	1·90	46·5475	9·2	...	43·009	-9·847	-5	...	...
...	1·622	-26·338	-4	47·5116	10·3	...	20·921	-35·654	-2	47·5132	10·3	...	43·057	-58·456	1·00	47·5148	10·0	
...	1·209	-14·025	-5	...	...	...	21·048	-53·063	-4	...	...	...	43·156	-15·604	1·00	47·5147	10·0
...	-1·186	+56·988	-5	...	...	...	+21·342	+50·224	0·95	46·5476	10·3	...	+43·868	-39·601	-5	...	...
...	1·030	+23·842	-5	...	...	*	21·558	+53·406	1·05	45·5570	9·6	...	44·404	-45·604	-2	...	...
...	0·441	+5·223	-4	46·5457	10·3	†	22·376	+20·029	-3	46·5477	10·3	...	45·178	-24·810	-5	...	...
N*	0·410	-24·612	1·70	47·5118	9·6	...	22·554	+44·649	-5	m	...	...	45·440	-20·511	-5	...	...
...	0·276	-59·278	-3	47·5119	10·3	...	22·931	+16·159	-5	...	...	...	45·693	+40·308	-4	46·5488	10·3
161	*	-0·233	-36·923	1·00	47·5120	10·0	...	+22·939	-39·316	-3	47·5133	10·3	...	+45·887	-28·797	0·95	47·5149	10·3
†	0·177	-28·528	-4	47·5121	10·3	†	23·119	+25·018	-5	...	...	...	46·011	-58·652	0·95	47·5150	10·2
...	-0·162	+21·078	-4	...	...	...	23·470	+13·593	-2	...	...	...	46·496	+36·304	-3	...	...
S*	+0·805	+21·385	2·00	46·5458	8·8	*	23·615	+27·971	1·20	46·5478	9·6	...	46·756	-2·590	0·95	46·5489	10·2	
...	1·552	-37·165	-5	...	...	...	23·892	+11·904	-5	...	...	...	46·963	-8·273	-5	...	...
...	+1·944	+50·467	-5	M	...	*	+24·407	-37·206	2·00	47·5134	8·4	...	+48·769	+27·446	-4	...	...
...	2·172	-17·829	-5	...	...	...	24·975	+1·237	-2	46·5479	10·3	...	49·313	+42·208	1·00	46·5490	10·0
...	2·972	-17·954	-5	...	...	...	25·025	-56·162	-5	...	...	...	50·223	+3·166	-5	...	...
...	4·458	-11·204	-1	47·5122	10·3	...	25·478	-22·764	-5	...	...	...	51·601	-3·180	-5	...	...
...	4·781	+47·948	-1	46·5459	10·3	...	25·699	+55·402	-5	...	...	...	51·952	+16·262	-5	...	...
171	+	5·274	-26·933	-3	+26·143	-30·049	-3	291	+52·082	-15·812	-5
...	5·838	-6·097	-3	...	...	...	26·321	+58·078	-1	45·5576	10·2	...	52·094	+9·608	-3	...	...
...	5·952	+1·835	-4	...	...	...	27·081	-12·849	-3	47·5135	10·3	...	53·889	+53·964	1·00	45·5594	9·6
*	6·312	+59·583	2·00	45·5561	8·8	...	27·561	-44·633	-5	...	...	...	54·032	-38·076	1·05	47·5151	9·6
...	6·334	+16·444	-5	...	...	...	27·704	+56·992	1·05	45·5577	10·1	...	54·052	+12·632	0·70	46·5491	10·3
*	+6·688	-16·078	1·10	47·5123	9·6	S*	+28·021	+59·261	2·00	45·5579	9·1	...	+54·458	+22·799	-4	...	...
...	6·822	-10·743	1·00	47·5124	10·0	...	28·225	+14·006	1·00	46·5480	10·2	...	55·415	-15·762	1·00	47·5153	10·1	
...	7·022	+8·630	1·00	46·5460	10·1	...	28·623	+15·591	0·80	46·5481	10·3	...	55·570	+43·755	-4	...	...
...	7·276	+0·505	-5	M	m	...	28·683	+27·915	-2	...	...	...	55·584	+36·656	-5	...	...
*	8·100	-46·696	1·05	47·5125	9·6	...	28·850	+33·328	-3	...	...	...	55·704	+15·462	-5	m	...

159. Var. L = 9·1 - 10·0.

210, 212. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	...	No.	Mag.		x.	y.	...	No.	Mag.
301-310																	
301	+55·913	-54·397	1·10	47·5154	9·6												
*	55·961	+44·358	1·10	46·5492	9·6												
...	57·020	-26·442	-4	...	...										
...	57·798	-9·750	-4	...	...										
S*	58·110	+19·141	2·10	46·5493	8·5												
...	+58·116	-2·588	-5	...	...										
S*	58·451	-43·097	2·20	47·5156	8·6												
...	58·461	+40·713	-5	...	...										
...	59·016	+33·415	-5	...	...										
...	59·303	-24·574	0·90	47·5157	10·3												

1-40					41-80					81-120							
I	,	,	,	,													
*	-59·339	-25·472	2·00	47·5145	9·0	...	-40·398	+38·729	-2	46·5495	10·3	...	-23·733	+40·295	-5	0	...
...	58·999	-10·079	-5	...	...	†	39·956	+41·232	-5	...	...	...	23·321	-5·956	0·75	46·5506	10·1
...	58·680	-15·858	1·05	47·5147	10·0	...	39·607	-20·509	-4	...	...	...	23·042	-54·856	-4	...	...
*	58·376	-40·017	1·90	47·5146	9·1		39·236	-53·742	-5	...	...	...	22·902	+57·299	2·35	+5·5613	8·5
...	57·901	+40·105	-4	46·5488	10·3	...	39·043	+36·086	-2	46·5496	10·3	...	22·727	-31·287	1·00	47·5172	9·6
...	-57·413	-58·677	-4	47·5148	10·0	...	-38·738	+36·979	-4	...	...	...	-22·041	-33·283	-5	...	...
†	57·209	-39·803	-5	...	...	...	38·513	-12·420	-5	...	...	...	21·950	+4·429	-4	46·5507	10·3
...	56·971	+36·128	-4	...	...	*	37·466	-39·491	2·60	47·5158	8·6	...	21·731	-56·447	-4	47·5173	10·3
...	56·227	-20·666	-5	...	...	*	36·685	-43·470	2·00	47·5160	9·2	...	21·560	-20·872	-3	47·5174	10·2
...	55·518	-28·942	-2	47·5149	10·3	...	36·488	-19·107	1·00	47·5161	10·1	*	21·395	+34·843	1·20	46·5508	9·6
II						51						91					
...	-55·481	-2·723	-1	46·5489	10·2	...	-36·347	-44·526	-5	...	...	...	-19·260	+17·957	1·00	46·5509	9·8
...	55·096	-8·411	-5	...	...	...	35·698	-40·938	-5	...	...	...	17·891	+18·972	-3	46·5510	10·2
...	54·446	-58·782	-3	47·5150	10·2	†	34·922	-49·818	-5	...	...	...	17·784	+26·290	1·00	46·5511	10·0
...	54·436	+27·362	-5	...	...	*	34·913	+40·176	2·00	46·5497	9·4	...	17·695	-1·345	-5	...	...
...	54·364	+42·121	1·05	46·5490	10·0	...	34·413	-17·359	-4	47·5163	10·3	...	17·695	+16·398	-5	...	...
...	-52·209	+3·120	-5	...	...	†	-33·932	+54·958	-5	...	...	...	-17·310	-51·889	-4	...	...
...	50·897	+16·278	-5	...	...	*	33·898	-41·171	2·00	47·5164	9·4	...	15·615	+50·963	-4	...	...
...	50·622	-3·149	-5	...	...	...	33·175	+17·457	-5	...	...	...	15·571	-54·829	-5	...	...
...	50·531	+9·650	-4	...	...	...	32·281	-34·989	1·00	47·5165	10·1	†	15·129	+37·373	1·10	46·5512	9·5
*	50·162	+54·007	1·10	45·5594	9·6	...	31·935	-58·886	-3	...	...	SF†	14·982	+0·027	1·00	46·5513	9·4
21						61						101					
...	-48·681	+12·715	-2	46·5491	10·3	S*	-31·861	+4·811	2·00	46·5498	8·8	...	-14·758	+40·185	1·00	46·5514	10·1
...	48·591	+22·906	-4	...	...	...	31·751	-22·883	-4	47·5166	10·3	...	13·794	+0·434	-5	...	...
...	48·135	+43·884	-5	...	...	*	31·347	+22·742	2·00	46·5499	8·8	*	13·662	+27·522	1·20	46·5515	9·6
*	47·770	+44·486	1·20	46·5492	9·6	...	30·720	+18·292	1·00	46·5500	10·0	...	13·058	+55·259	0·90	45·5618	10·2
...	47·073	-37·953	1·05	47·5151	9·6	...	30·358	+6·959	-2	46·5501	10·3	*	12·935	+15·371	1·30	46·5516	9·2
...	-46·413	-15·608	-1	47·5153	10·1	†	-30·104	+25·584	-5	...	...	...	-12·588	-4·365	-3	...	...
...	45·171	+40·925	-5	...	...	...	29·394	-39·636	-5	...	...	...	12·097	+35·598	-5	...	...
S*	44·830	+19·352	3·00	46·5493	8·5	...	29·290	-7·099	0·70	46·5502	10·2	...	9·885	+36·031	0·75	46·5517	10·0
...	44·688	-54·208	1·05	47·5154	9·6	...	28·385	+23·645	-5	...	...	...	9·721	-58·573	0·70	47·5176	10·3
...	44·469	-26·223	-5	...	...	...	28·126	-56·096	1·00	47·5167	10·0	...	9·716	+0·665	-5	...	...
31						71						III					
...	-44·374	+33·636	-5	...	...	...	-27·780	+42·690	-5	...	...	...	-9·400	+32·228	-5	...	...
...	44·210	-9·524	-5	...	...	...	27·773	-23·903	-5	...	...	...	7·991	-45·591	-5	...	...
...	44·171	+56·193	-4	45·5596	10·3	...	27·709	-16·385	-4	...	...	...	6·725	-6·848	1·00	46·5518	10·0
...	44·110	+47·870	-4	...	...	...	27·603	+49·591	0·70	46·5504	10·3	...	6·710	-59·423	-4	...	...
S*	42·900	+42·453	-5	...	...	†	27·281	-4·845	-1	46·5503	10·0	...	6·387	-40·998	-3	47·5177	10·3
...	-42·506	-42·835	2·30	47·5156	8·6	...	-25·201	-2·695	-5	...	...	...	-6·302	-43·505	-5	...	...
...	42·339	+39·351	-5	...	...	...	24·446	-43·449	-5	...	...	...	6·288	-9·520	1·00	47·5178	9·6
...	42·250	-24·295	-1	47·5157	10·3	...	23·960	+44·621	-4	46·5505	10·3	...	6·044	-15·308	-1	47·5179	10·3
...	41·431	+39·089	-5	...	...	...	23·954	-17·231	-2	47·5171	10·3	...	6·013	-27·685	1·00	47·5180	9·8
...	41·311	+20·765	1·10	46·5494	9·8	...	23·913	-23·971	1·00	47·5170	9·8	...	5·595	+28·035	1·00	46·5519	10·0

L measured from 1, 136.
C 67, 209.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
121-180																	
121	- 5·106	+42·857	1·10	46·5520	9·4	181	+16·467	+35·786	- 4	...	...	241	- 43·425	+26·275	- 4	46·5556	10·6
...	4·920	+57·318	1·00	45·5633	9·6	...	16·519	+56·136	- 3	45·5649	10·6	...	44·202	+40·698	- 4	46·5557	10·6
...	4·889	-59·424	- 5	...	...	18·021	-53·692	- 4	...	...	...	...	44·921	+ 1·243	1·00	46·5558	9·9
...	4·884	-42·523	0·70	47·5181	10·1	S *	18·034	-12·350	1·50	47·5204	9·5	...	45·526	-20·618	0·70	47·5223	10·2
...	3·799	-55·683	0·90	47·5182	10·3	...	18·202	+54·191	- 3	45·5651	10·6	...	45·908	-43·465	1·10	47·5224	9·9
...	- 3·438	+ 8·138	- 3	46·5521	10·3	...	+18·286	+ 7·890	- 5	...	...	...	+46·004	+26·550	1·00	46·5559	9·8
...	3·391	-28·672	- 5	...	...	18·627	+19·924	- 5	...	...	...	...	48·889	+ 3·799	- 5	46·5562	10·6
...	3·138	-37·686	0·70	47·5183	10·3	...	18·864	-16·595	1·00	47·5205	10·1	...	49·045	+45·322	1·00	46·5560	9·9
...	2·988	-40·350	- 2	47·5184	10·3	...	19·299	-54·028	- 4	47·5206	10·3	...	49·186	+47·857	- 5	46·5561	10·6
...	2·526	+18·448	- 5	...	...	19·676	-43·597	- 4	...	...	...	...	49·971	- 7·208	- 1	46·5563	10·6
131	- 1·730	-21·165	- 3	47·5185	10·3	191	+20·799	+34·394	1·00	46·5535	9·8	251	+50·528	-41·088	- 4	47·5225	10·6
...	1·143	-40·809	- 3	47·5186	10·3	...	20·983	-55·314	- 5	...	...	...	50·625	-21·024	- 5	...	...
...	1·121	-46·224	- 4	...	...	21·273	+20·243	1·00	46·5536	10·0	...	50·645	-34·052	- 5	47·5226	10·6	
...	0·433	- 4·367	0·80	46·5522	10·2	...	22·362	-18·511	- 5	...	...	...	50·922	-32·760	1·00	47·5227	10·0
...	- 0·152	+31·150	- 4	46·5523	10·3	...	23·471	+11·590	- 1	46·5537	10·3	...	52·275	-16·048	- 5	...	...
...	+ 0·218	-39·659	- 5	...	...	* +24·274	+50·172	1·20	46·5538	9·6	...	+52·303	-13·422	- 4	47·5228	10·6	
...	0·551	-48·627	1·00	47·5187	10·0	...	24·588	-10·329	- 1	47·5207	10·6	...	52·450	- 8·187	- 4	46·5565	10·6
†	0·596	-39·831	1·00	47·5188	9·6	...	24·783	+ 6·843	- 4	46·5539	10·3	...	52·661	+45·042	- 4	46·5564	10·6
...	1·162	-15·132	- 5	47·5189	10·3	...	25·840	+13·353	- 4	46·5540	10·3	...	53·227	-42·588	- 5	47·5229	10·6
...	1·750	-56·218	- 5	...	...	27·365	- 3·081	- 5	...	...	...	...	54·498	-52·038	1·10	47·5230	9·8
141	+ 2·343	+22·031	1·40	46·5524	9·4	201	+27·418	+32·131	- 3	46·5541	10·3	261	+56·732	- 0·924	1·00	46·5566	9·9
S *	+ 2·513	+39·020	- 5	...	...	*	27·995	+20·933	1·20	46·5542	9·6	...	58·106	- 6·295	- 3	46·5567	10·6
...	2·574	-35·240	- 4	47·5190	10·3	...	28·240	-20·057	- 4	47·5210	10·6	...	59·020	+15·269	1·00	46·5568	9·9
*	2·663	- 8·844	1·20	47·5191	9·6	...	28·299	-34·443	1·00	47·5211	10·0	...	59·092	+11·511	1·00	46·5569	10·0
*	3·112	-15·690	1·20	47·5192	9·6	...	28·495	+ 6·863	- 1	46·5543	10·3	†	59·498	-14·940	- 4	47·5231	10·6
+	3·314	-46·803	- 4	...	...	+28·970	+31·375	- 3	46·5544	10·3	...	...	...	...	...	...
...	3·440	+29·505	- 3	46·5525	10·3	S *	29·067	-42·877	2·00	47·5212	9·0	...	...	...	...	...	...
...	4·449	+28·269	- 3	46·5526	10·3	...	29·549	-29·204	1·00	47·5213	10·2	...	...	...	...	...	...
...	4·748	-44·637	- 5	...	...	...	30·072	-30·366	- 5	...	...	...	...	...	...	...	...
...	5·072	+17·721	1·00	46·5527	10·1	*	30·094	+59·329	1·40	45·5658	9·0	...	...	...	...	...	...
151	* + 5·204	+ 2·733	1·80	46·5528	9·5	211	+30·229	+48·500	- 5	...	...	...	...	...	...	...	...
...	5·577	+35·340	- 5	...	...	...	30·848	+38·125	- 2	46·5545	10·3	...	...	...	...	...	...
...	5·707	-54·423	- 4	...	...	...	31·041	-22·982	- 5	...	...	...	...	...	...	...	...
...	6·066	+53·449	- 5	m	...	...	31·061	+31·693	- 4	46·5546	10·3	...	...	...	...	...	...
...	6·240	+ 6·828	1·10	46·5529	9·6	...	31·444	-26·121	1·00	47·5214	10·0	...	...	...	...	...	...
...	+ 6·255	-20·897	- 5	...	...	...	+32·437	-54·862	0·70	47·5216	10·3	...	...	...	...	...	...
...	6·656	-40·282	- 5	...	...	S *	32·479	+10·312	1·00	46·5547	9·6	...	...	...	...	...	...
...	7·153	+55·018	- 3	...	...	...	32·863	-18·898	0·70	47·5215	10·3	...	...	...	...	...	...
...	7·575	-36·840	1·00	47·5194	10·2	...	33·680	-45·251	0·70	47·5217	10·6	...	...	...	...	...	...
S *	7·576	-53·333	1·70	47·5193	9·4	...	35·021	+19·378	- 5	...	...	...	...	...	...	...	...
161	+ 7·628	+11·183	- 5	...	...	221	+35·812	-50·444	- 5	...	...	...	...	...	...	...	...
*	7·805	-42·490	1·50	47·5195	9·4	...	36·062	+ 5·121	- 5	b	...	...	...	...	...	...	...
...	8·618	+52·191	- 4	45·5645	10·3	...	36·450	+42·187	- 5	...	...	...	...	...	...	...	...
...	8·791	+55·463	- 5	...	...	...	36·525	+13·886	- 5	46·5548	10·6	...	...	...	...	...	...
...	9·058	-39·427	- 3	47·5196	10·3	S *	36·945	+48·642	3·00	46·5549	7·6	...	...	...	...	...	...
...	+ 9·965	+12·875	- 5	b	...	*	+36·975	-32·228	1·20	47·5218	9·5	...	...	...	...	...	...
...	10·302	-48·641	- 5	47·5197	10·3	...	37·851	+ 9·295	0·75	46·5551	10·0	...	...	...	...	...	...
...	10·343	-42·085	1·05	47·5198	10·0	...	37·885	+52·381	- 5	...	...	...	...	...	...	...	...
...	11·263	-25·253	- 5	...	...	...	38·019	+33·349	- 4	46·5550	10·6	...	...	...	...	...	...
*	11·420	+22·729	2·00	46·5530	9·4	...	38·163	+10·832	0·75	46·5552	10·2	...	...	...	...	...	...
171	+12·469	-38·532	- 1	47·5199	10·2	231	+38·603	-42·095	- 5	...	...	...	...	...	...	...	...
...	12·719	- 8·771	- 5	47·5200	10·3	...	39·282	+31·012	- 1	46·5553	10·3	...	...	...	...	...	...
...	13·007	+ 3·431	- 2	46·5531	10·3	...	39·391	-23·481	- 4	47·5219	10·6	...	...	...	...	...	...
...	13·110	+20·258	- 2	46·5532	10·3	...	40·023	+25·110	- 2	46·5554	10·4	...	...	...	...	...	...
...	13·331	+33·550	- 5	...	...	...	40·734	-19·568	1·00	47·5221	9·9	...	...	...	...	...	...
...	+13·856	+56·772	- 1	45·5648	10·2	...	+40·923	-48·818	- 4	...	...	...	...	...	...	...	...
...	14·549	+26·444	- 4	...	...	...	41·614	+26·393	- 5	...	...	...	...	...	...	...	...
...	15·424	-18·056	- 4	47·5203	10·3	...	42·077	-47·815	- 5	...	...	...	...	...	...	...	...
...	15·516	+18·464	- 3	46·5533	10·3	...	42·230	-36·716	- 3	47·5222	10·6	...	...	...	...	...	...
...	15·924	+12·543	1·00	46·5534	10·1	...	43·052	+39·280	1·00	46·5555	9·9	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
1-60						61-120						121-180							
1	-59·875	-49·128	-2	0	...	61	-44·012	-10·879	-4	0	...	121	28·812	-2·423	-4	0	...		
...	59·757	+26·019	-2	46·5556	10·6	*	43·798	+15·526	1·00	46·5568	9·9	...	28·775	-19·207	-2	...	...
...	59·739	+2·287	-5	M	...	*	43·602	+11·774	0·95	46·5569	10·0	...	28·303	-43·795	-5	...	...
...	59·475	+36·403	-3	A	...	...	43·550	+30·658	-4	M	...	...	28·183	-49·130	-3	...	...
...	59·423	+40·469	-1	46·5557	10·6	...	42·730	+36·848	0·70	46·5570	10·6	...	27·301	+8·210	-4	M	...		
...	-58·943	-36·976	-2	47·5222	10·6	...	-42·363	-14·661	-2	47·5231	10·6	...	-27·217	+11·948	-5	M	...		
...	58·788	-24·474	-5	...	...	...	42·340	+20·169	-4	M	...	...	26·996	-49·710	-5	M	...
...	58·743	-48·090	-4	...	...	...	41·869	+58·513	-3	...	...	...	26·918	-6·024	-2	...	...
*	57·448	+1·043	1·00	46·5558	9·9	...	41·494	-38·794	-3	...	...	...	26·513	-29·001	-4	...	...
*	57·180	+26·371	1·00	46·5559	9·8	...	41·374	-44·340	-4	...	...	...	26·398	+0·078	-5	M	...
11	-56·150	-20·781	0·90	47·5223	10·2	...	71	-41·127	-16·014	-5	M	...	131	-26·306	+33·009	1·20	46·5585	9·6	
...	55·978	+5·723	-4	M	...	...	40·617	-59·543	-1	47·5233	10·5	...	26·228	+12·555	-5	M	...
...	55·315	+13·061	-4	M	...	...	40·313	-21·897	1·00	47·5235	10·0	...	24·722	+27·298	0·90	46·5586	10·2
...	55·109	+31·606	-4	M	...	*	40·215	+41·544	1·20	46·5571	9·7	...	24·538	+10·171	-4	M	...		
+	55·038	-43·613	1·10	47·5224	9·9	S	40·167	-47·540	1·20	47·5234	9·6	...	24·299	-46·956	-3	...	...
...	-54·870	+21·024	-4	...	...	...	-39·943	+3·560	-3	...	...	...	-24·125	-40·246	-2	...	...
*	54·722	+45·239	1·00	46·5560	9·9	...	38·888	+0·291	-3	...	...	...	23·962	+22·042	-2	...	...
...	54·676	+47·774	-3	46·5561	10·6	...	38·680	-40·591	-5	M	...	...	23·906	+35·953	-5	M	...
...	54·244	-40·182	-4	...	...	†	38·502	+20·004	-4	M	...	*	23·748	+12·386	0·95	46·5587	10·2
...	53·571	+3·736	0·65	46·5562	10·6	...	38·454	+48·826	1·00	46·5572	9·8	*	23·711	+46·143	2·10	46·5588	8·0		
21	-53·155	-55·632	-5	81	-38·185	-47·398	-2	47·5236	10·6	...	141	-23·678	+37·081	-5	M	...
...	53·008	+29·271	-5	M	...	...	37·432	-46·920	-2	47·5237	10·6	...	23·667	-22·171	-5	...	...
...	52·993	+22·211	-5	M	...	...	37·100	+14·027	-4	M	...	...	23·417	-47·220	-2	47·5245	10·6
...	52·118	-7·253	0·85	46·5563	10·6	...	36·796	+13·600	0·90	46·5573	10·0	...	23·355	+1·122	-4	M	...		
...	51·885	+3·480	-5	M	...	...	36·747	-29·734	-4	...	...	...	23·354	-44·113	-3	...	...
...	-51·877	+36·513	-4	M	...	...	-36·322	-17·357	0·90	47·5238	10·2	...	-22·916	-55·749	-5	...	...
...	51·220	+24·529	-4	...	...	...	36·024	+23·382	0·70	46·5574	10·5	...	22·789	+37·867	-3	B	...
...	51·103	+45·085	-2	46·5564	10·6	*	35·777	+47·250	1·20	46·5575	9·4	...	22·226	+47·920	-2	...	...
...	51·034	-21·032	-3	...	...	†	35·181	-25·891	-5	...	...	...	22·107	-26·651	0·75	47·5248	10·4
...	50·607	-34·060	-3	47·5226	10·6	†	35·132	-42·350	-3	...	...	...	22·033	-44·545	0·80	47·5247	10·6
31	-50·525	+12·923	-5	M	91	-34·670	+11·935	0·65	46·5576	10·2	...	151	-21·964	-21·179	0·90	47·5249	10·5
...	50·512	-41·092	-1	47·5225	10·6	†	34·642	+52·994	-5	M	...	...	21·445	-41·249	-1	...	...
...	50·433	+32·446	-4	...	...	...	34·553	+38·003	0·75	46·5577	10·6	*	21·290	-30·327	1·40	47·5250	9·4
...	50·416	+56·275	-5	M	...	...	34·319	+23·166	-1	46·5578	10·4	...	20·961	-31·263	0·85	47·5251	10·5
*	50·406	+13·272	-5	M	...	S	34·171	+28·849	3·95	46·5579	7·0	...	20·903	+41·778	-4	M	...		
...	-50·382	-32·741	1·00	47·5227	10·0	...	-33·507	-11·377	0·80	47·5239	10·5	*	-20·594	-52·903	1·30	47·5252	9·9		
...	49·748	-56·842	-5	...	...	...	33·062	-8·946	-4	...	...	...	20·539	-8·872	-2	...	...
...	49·615	-8·157	-1	46·5565	10·6	...	32·632	+27·861	0·75	46·5580	10·4	...	20·311	+53·017	-4	M	...		
...	49·610	-13·390	-1	47·5228	10·6	...	32·195	+8·889	-3	B	...	†	20·191	-6·485	0·90	46·5589	10·0		
...	49·545	-15·998	-2	...	...	...	32·192	+7·658	-2	...	...	*	19·902	+54·497	1·00	45·5706	10·0
41	-48·810	-47·602	-5	101	-32·085	+5·589	-4	M	161	-19·799	+42·393	-3	B	...
...	48·547	-28·607	-5	...	...	...	32·077	+0·133	-4	M	...	*	19·790	+45·468	1·20	46·5590	9·4
...	48·273	-23·398	-3	...	...	...	31·971	-20·612	-4	...	...	...	19·066	+12·555	-1	46·5591	10·6
...	48·005	-29·770	-5	...	...	...	31·842	-44·199	-2	...	...	...	18·958	+26·037	-3	...	...
...	47·925	+3·949	-3	M	...	...	31·764	-54·896	-5	M	...	...	18·724	+12·814	-5	M	...
...	-47·780	-42·503	-2	47·5229	10·6	...	31·632	+27·273	-4	M	...	...	-18·611	+29·435	-3	...	...
...	47·655	-26·864	-5	...	...	...	31·548	+28·264	-3	B	...	...	18·442	-53·319	-3	47·5253	10·6
...	47·391	+44·758	-3	B	...	...	31·469	+13·311	-5	M	...	*	18·241	-25·132	3·90	47·5254	7·4
...	47·357	-5·232	-3	...	...	...	31·108	+15·614	0·90	46·5581	10·2	...	18·133	-12·029	-4	...	...
...	46·945	-10·843	-4	...	...	...	30·981	-1·209	-4	...	...	*	17·984	-50·707	1·10	47·5255	9·9
51	-46·783	-31·347	-5	111	-30·976	-51·585	-3	*	17·758	-12·872	1·20	47·5257	9·9	
*	46·181	-51·925	1·30	47·5230	9·8	...	30·777	-35·377	-5	...	...	*	17·676	+58·867	1·10	45·5709	10·0
...	46·113	-29·717	-5	...	...	*	30·770	+35·100	0·95	46·5582	10·0	...	17·637	-52·505	0·85	47·5256	10·2
+	45·651	-54·850	-3	...	...	*	30·668	+56·142	1·50	45·5700	9·4	...	17·635	-40·469	-3	...	...
*	45·570	-0·746	1·20	46·5566	9·9	...	30·619	+47·689	-2	46·5583	10·6	...	17·475	-11·121	-5	...	...
+	-45·413	-4·994	-4	...	...	*	-29·877	-35·996	1·20	47·5242	10·0	...	-17·442	+41·446	-3	...	...
...	44·814	+31·150	-4	M	...	*	29·444	+35·478	1·30	46·5584	9·4	...	17·418	-0·449	0·85	46·5592	10·3		
...	44·483	+41·496	-2	...	...	...	29·438	-45·754	-4	...	...	...	17·322	+2·784	1·10	46·5593	10·0
...	44·176	-36·519	-4	...	...	...	29·279	-38·764	-5	...	...	...	17·311	+36·829	-3	B	...
...	44·030	-6·079	0·65	46·5567	10·6	...	29·190	+14·664	-4	M	...	...	17·251	-26·716	-4	...	...

MC measured from 1, 302, 433.
C 246, 369.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
181-240																	
181	-16·973	+41·684	-3	o	...	241	-1·583	+37·980	1·00	46·5606	10·2	301	+14·145	+57·116	-5	o	...
...	16·460	+27·741	-5	M	...	...	1·424	-41·528	-5	m	...	...	15·207	-45·039	-5	...	...
S*	16·363	-17·681	2·60	47·5258	7·9	...	1·392	-31·990	-4	m	...	*	15·334	-19·656	1·10	47·5289	9·9
...	16·118	+18·673	0·85	46·5594	10·2	...	1·300	-14·771	-3	...	...	...	15·428	-3·843	0·65	46·5620	10·6
...	16·084	-19·006	-1	47·5259	10·3	...	0·337	-37·881	-1	...	...	...	15·886	+49·605	-2	...	...
†	-15·152	+26·508	0·90	46·5595	10·0	S†	-0·117	+46·511	2·50	46·5607	8·2	...	+16·293	+37·649	0·65	46·5621	10·6
...	15·030	-45·229	-5	...	...	...	0·074	+19·337	-5	M	...	*	16·347	+31·872	1·20	46·5622	9·8
...	15·025	-20·461	-4	...	...	...	+0·173	-50·290	1·00	47·5277	10·5	*	16·468	-48·769	1·30	47·5290	9·4
...	14·639	+20·894	-3	...	...	...	0·225	+56·101	1·05	45·5728	10·0	...	16·485	+32·085	0·85	46·5623	10·0
...	14·091	+7·364	0·85	46·5596	10·5	...	0·744	-23·607	-5	...	...	*	16·508	-39·125	2·30	47·5291	8·2
191	-13·652	+53·403	0·90	45·5714	10·4	251	+ 1·277	-49·770	-5	...	...	...	+16·755	+29·697	-4	...	...
...	13·628	-12·121	0·65	47·5260	10·6	...	1·418	-40·965	-4	...	...	...	16·911	-7·122	0·85	46·5624	10·3
...	13·619	+48·617	-4	M	...	...	1·608	+ 8·943	-5	M	...	...	17·874	-39·996	-2	...	...
...	13·351	+22·029	-5	M	...	...	1·706	-21·894	-3	47·5278	10·6	*	18·138	+ 1·870	1·30	46·5625	9·5
...	12·070	-18·729	-1	...	...	*	1·724	+15·279	1·30	46·5608	9·4	...	18·247	-43·152	0·85	47·5292	10·3
*	-11·973	-30·902	1·70	47·5263	9·2	...	+ 2·076	-46·427	-4	...	...	...	+18·527	+23·750	-4	...	...
...	11·952	+ 2·354	-2	...	...	S*	2·339	- 5·917	2·80	46·5609	7·8	...	18·584	-34·470	-5	m	...
...	11·641	-42·418	-4	...	...	...	2·449	+45·027	-4	...	...	...	18·616	- 9·703	-4	...	...
...	11·620	-44·672	-4	...	...	...	2·596	+56·115	-5	M	...	...	18·964	-11·231	1·00	47·5293	10·0
...	11·444	-38·376	0·75	47·5264	10·6	...	2·942	-46·556	-1	47·5279	10·6	...	19·156	+16·396	-5	...	...
201	-10·353	+59·154	-5	M	...	261	+ 3·230	+32·815	-5	M	...	...	+19·520	-45·007	-1	47·5294	10·5
S†	10·325	-47·101	2·55	47·5265	8·1	†	3·310	-14·926	-2	47·5280	10·6	...	19·595	+53·197	0·95	45·5746	10·0
†	10·153	-42·620	0·65	...	...	...	3·353	+56·982	0·90	45·5731	10·2	†	19·653	-50·971	-3	...	...
...	10·061	+20·762	-3	46·5597	10·6	...	3·650	+19·246	-3	46·5610	10·5	...	19·692	+51·779	0·75	45·5747	10·4
...	9·615	+55·759	-3	45·5718	10·6	N	3·652	+18·810	0·75	46·5611	10·0	...	20·099	-36·217	-5	...	...
...	9·374	-26·976	-3	...	...	...	+ 3·749	+55·137	-5	M	...	...	+20·181	-30·725	-4	...	...
...	9·325	-22·023	-5	...	...	...	3·941	+27·187	0·70	46·5612	10·3	*	20·497	-30·929	1·00	47·5295	10·0
...	9·281	+20·921	-4	46·5598	10·6	...	4·612	-59·323	-4	...	...	...	21·043	+39·328	0·80	46·5626	10·6
...	9·153	-20·222	0·75	47·5266	10·5	...	4·647	+ 6·299	1·05	46·5613	9·6	...	21·394	+12·384	0·90	46·5627	10·3
...	8·809	-20·306	-4	m	...	...	5·234	- 2·886	-4	...	...	...	21·616	+19·852	1·30	46·5628	9·4
211	-8·636	+19·110	0·90	46·5599	10·4	271	+ 5·676	-42·785	-3	47·5281	10·6	...	+21·642	- 0·658	-4	...	...
...	8·569	+38·851	-5	M	...	...	5·955	+ 9·027	0·95	46·5614	10·2	...	21·797	-35·508	-2	47·5297	10·6
...	8·452	-10·699	-4	m	...	...	6·685	-45·312	-5	...	...	...	21·837	- 3·363	-3	m	...
...	7·996	-12·888	1·10	47·5267	9·9	...	7·060	-46·631	-3	...	...	...	22·322	-17·562	-4	...	...
...	7·551	-56·453	-5	...	...	...	7·196	-13·973	-4	...	...	...	22·383	-43·047	-1	47·5298	10·6
...	7·234	-26·522	-2	...	...	...	+ 7·329	-42·129	-4	...	...	...	+22·424	+26·622	-4	...	...
...	7·197	-19·397	0·75	47·5270	10·5	*	7·412	-50·754	2·60	47·5282	8·0	...	22·634	+27·841	0·70	46·5629	10·6
...	7·016	-22·050	0·90	47·5271	10·2	*	7·821	- 2·040	1·40	46·5615	9·4	...	22·930	+38·274	0·85	46·5630	10·4
...	6·760	-57·208	-2	47·5272	10·6	...	7·856	-27·945	-5	...	...	*	23·440	-23·011	1·10	47·5299	9·9
...	6·529	+20·589	-2	46·5600	10·6	...	7·912	+16·493	-5	M	...	...	23·746	-14·230	0·85	47·5300	10·3
221	-6·416	+28·972	1·00	46·5601	9·9	281	+ 8·441	+20·251	-5	...	...	...	+23·862	-19·073	c·80	47·5301	10·6
*	5·993	-41·029	1·10	47·5274	9·8	...	9·029	+48·388	0·65	46·5616	10·5	...	23·925	+30·209	-5	...	...
...	5·981	+7·447	-3	M	...	...	9·220	-24·206	-3	...	...	...	23·951	- 9·288	0·90	47·5302	10·3
...	5·951	+5·489	-1	46·5602	10·6	...	9·607	-46·248	0·70	47·5283	10·6	...	24·026	-11·860	-5	m	...
...	5·745	-2·479	-2	46·5603	10·6	†	9·782	-57·241	-5	...	...	*	24·062	-26·386	1·10	47·5303	9·9
...	5·724	+3·201	-4	M m	...	...	+ 9·835	-18·393	-3	47·5284	10·6	...	+24·848	- 8·907	0·80	47·5304	10·3
...	5·445	+4·905	-4	M m	...	...	9·921	+42·447	0·70	46·5617	10·6	...	25·245	+48·131	-2	...	...
...	5·350	-55·486	-5	m	...	...	10·345	+40·402	-3	...	...	...	25·639	-46·198	-4	...	...
SN†	5·312	+55·429	3·60	45·5722	7·4	...	10·815	+55·273	-4	...	...	*	25·693	-22·717	1·20	47·5305	9·9
†	5·265	-23·227	-5	m	...	...	10·945	-56·148	-4	...	...	...	25·708	-48·168	-5	m	...
231	-5·201	+34·012	0·90	46·5604	10·0	291	+11·480	-36·137	-4	...	...	...	+26·165	-49·175	-3	...	...
...	5·106	+34·597	-3	...	...	...	11·650	-29·221	-3	...	...	*	26·266	+ 9·047	1·20	46·5631	9·6
...	4·080	+31·724	-4	M	...	†	11·868	-10·016	-3	47·5285	10·5	...	26·717	+13·716	-4	...	...
*	4·017	-40·919	1·80	47·5275	8·8	...	11·930	-45·463	-4	...	...	...	26·889	+24·115	0·80	46·5632	10·3
...	3·036	+42·998	-3	M	...	...	11·983	-24·067	1·00	47·5286	9·9	...	26·966	- 9·625	-4	b	...
...	-2·894	-40·487	-3	...	...	...	+12·124	- 0·155	-3	...	...	...	+27·103	+10·339	0·90	46·5633	10·0
...	2·893	+20·766	-4	M	...	...	12·531	+22·304	0·70	46·5618	10·3	...	27·263	- 8·263	-4	...	...
...	2·762	-54·457	-4	...	...	...	12·848	+46·009	-5	...	...	...	27·343	-34·770	-4	a	...
...	2·725	+25·781	0·95	46·5605	10·0	...	13·162	-45·567	1·00	47·5287	10·2	S*	27·622	+28·913	1·90	46·5634	8·8
*	2·122	-45·014	2·00	47·5276	8·6	*	13·583	- 5·808	1·10	46·5619	9·7	...	27·731	-26·848	-5	m	...

229. Remeasure 1914, $y = + 55' 442$.

265. Obscured by 2nd image of 264; 2nd image measured and corrected.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
361-420																	
361	+27·764	+39·263	0·90	46·5635	10·4	421	+41·771	-20·525	-5	° e	...	481	+55·580	+38·819	0·90	46·5670	10·5
...	27·803	+17·366	0·80	46·5636	10·4	...	41·773	-54·125	-4	47·5318	10·6	...	55·588	-4·639	0·80	46·5671	10·6
...	27·969	-25·419	-1	...	...	...	42·000	+12·347	1·05	46·5656	10·0	...	55·780	-14·431	-5	e	...
...	28·148	+27·850	-1	46·5637	10·6	...	42·008	+26·905	-5	...	...	...	56·075	-48·511	-2	47·5336	10·6
...	28·722	-46·578	-5	...	...	*	42·094	-21·003	1·15	47·5317	9·9	...	56·158	-37·120	-3	47·5335	10·6
...	+29·167	-42·201	-5	...	...	...	+42·156	-25·057	-2	47·5319	10·6	...	+56·994	-6·968	-4	e	...
*	29·245	-41·480	1·40	47·5306	9·4	...	42·259	+18·753	-4	...	...	...	57·032	+14·817	-4	e	...
...	29·278	-48·281	-1	47·5307	10·6	...	42·277	-54·042	1·00	47·5320	10·0	...	57·224	-19·155	-4	...	...
S *	30·134	-38·416	3·60	47·5309	7·4	...	42·884	+18·090	-3	46·5657	10·6	...	57·410	+11·565	-3	...	...
...	31·038	-59·506	1·00	47·5310	10·0	...	43·096	-14·010	-5	...	...	...	57·444	+17·608	-5	...	...
371	+31·096	+19·515	1·00	46·5639	9·9	431	+43·336	+0·632	-5	...	...	491	+57·778	+57·479	-4	45·5771	10·6
...	31·177	+0·817	-5	...	...	...	44·192	+46·701	-5	...	...	...	58·015	-38·010	-2	47·5337	10·6
*	31·207	+40·527	1·30	46·5638	9·4	...	45·121	-49·003	-3	...	...	...	* 58·105	+30·303	1·60	46·5672	9·4
...	31·409	+47·413	0·90	46·5640	10·2	...	45·436	-3·768	-2	e	...	...	58·345	+55·938	-2	45·5772	10·6
...	31·422	+32·975	-4	46·5641	10·6	...	45·458	-20·563	1·00	47·5321	10·0	...	* 58·972	+34·639	1·70	46·5673	9·4
...	+31·595	-16·599	-5	m	...	...	+45·797	-53·416	-3	e	...	...	+59·234	+14·825	-4	...	...
...	31·609	+54·935	-5	...	...	...	45·884	-37·814	-5	e	...	...	...	...	...	...
...	31·685	+20·134	-4	...	...	*	46·559	+13·403	1·00	46·5659	10·0	...	...	...	...	...
...	31·735	-19·670	-4	...	...	...	46·696	+24·467	0·85	46·5658	10·5	...	...	...	...	...
...	32·150	+44·250	-3	46·5642	10·6	...	46·817	+56·906	-5	...	...	...	...	...	...	...
381	+32·322	-30·410	0·95	47·5311	10·2	441	+46·818	-7·261	0·90	46·5662	10·0	...	...	...	...	...	...
...	32·679	+12·822	1·00	46·5644	10·0	...	46·850	-7·586	-1	46·5661	10·3	...	...	...	...	...	...
...	32·712	+14·036	1·00	46·5643	10·0	...	46·954	+3·380	0·80	46·5660	10·3	...	...	...	...	...	...
...	33·403	-38·610	-3	...	...	...	46·958	-37·285	-5	e	...	...	...	...	...	...	...
...	33·449	+44·676	1·00	46·5645	10·0	...	47·114	-23·183	-4	e	...	...	...	...	...	...	...
...	+34·050	-35·772	0·95	47·5312	10·4	...	+47·269	-14·825	0·90	47·5322	10·2	...	...	...	...	...	...
...	34·075	-1·916	-2	46·5647	10·6	...	47·840	+4·636	-4	...	...	...	...	...	...	...	...
...	34·102	+21·631	0·65	46·5646	10·6	*	47·889	-24·708	1·30	47·5323	9·8	...	...	...	...	...	...
...	34·217	+59·465	-4	45·5753	10·6	S *	48·128	-7·362	1·30	46·5663	9·4	...	...	...	...	...	...
...	34·294	-3·455	0·90	46·5648	10·2	...	48·269	-22·685	-4	e	...	...	...	...	...	...	...
391	+34·449	+48·360	-5	...	...	451	+48·379	+10·046	-5	e	...	...	...	...	...	...	...
†	34·790	+18·078	0·65	46·5649	10·2	...	48·443	-35·197	-5	e	...	...	...	...	...	...	...
...	36·121	+13·638	-3	46·5650	10·6	...	48·594	-45·004	-1	47·5324	10·3	...	...	...	...	...	...
...	36·146	+8·311	-5	...	...	...	49·027	-32·176	-2	47·5325	10·6	...	...	...	...	...	...
*	36·485	-54·320	1·40	47·5313	9·2	*	49·255	+35·425	1·20	46·5664	9·9	...	...	...	...	...	...
*	+36·974	-28·372	-5	...	...	...	+49·347	-6·336	-5	e	...	...	...	...	...	...	...
*	37·157	+57·883	1·20	45·5758	9·4	...	49·782	+11·359	-4	e	...	...	...	...	...	...	...
†	37·219	-54·911	-5	...	...	...	50·223	+32·806	-2	46·5665	10·6	...	...	...	...	...	...
...	37·432	+15·198	-5	...	...	...	50·275	-13·197	-2	...	...	...	...	...	...	...	...
...	37·477	-10·866	-4	...	...	*	50·381	+9·007	1·20	46·5666	9·8	...	...	...	...	...	...
401	+37·866	+7·732	1·30	46·5651	9·0	461	+50·469	+55·171	-3	...	...	...	...	...	...	...	...
...	38·214	-24·622	-4	...	...	...	50·541	-56·485	-4	...	...	...	...	...	...	...	...
...	38·737	-32·571	-5	...	...	...	51·104	-22·421	0·80	47·5327	10·6	...	...	...	...	...	...
...	39·110	+54·598	-4	...	...	...	51·513	-6·647	0·65	46·5667	10·6	...	...	...	...	...	...
†	39·183	-25·012	-5	m	...	...	51·931	-24·832	-4	...	...	...	...	...	...	...	...
...	+39·210	+36·668	-5	...	...	...	+51·931	-14·218	-1	47·5328	10·6	...	...	...	...	...	...
...	39·381	-58·032	-4	47·5315	10·6	...	52·076	+12·980	-3	...	...	...	...	...	...	...	...
...	39·521	+14·664	0·95	46·5652	10·0	...	52·213	-3·048	0·80	46·5668	10·6	...	...	...	...	...	...
...	39·572	+36·078	-3	...	...	...	52·476	-31·662	-4	...	...	...	...	...	...	...	...
†	39·748	-33·210	1·60	47·5314	8·8	...	52·521	+59·065	-4	...	...	...	...	...	...	...	...
411	+40·100	+2·964	-4	...	...	471	+52·548	-9·034	0·65	47·5329	10·6	...	...	...	...	...	...
...	40·174	-25·265	-4	...	...	...	S *	52·730	-45·671	1·90	47·5330	9·4	...	...	...	...	...
...	40·293	-37·080	-5	m	...	...	53·726	+19·241	1·10	46·5669	10·0	...	...	...	...	...	...
...	40·303	+42·992	0·65	46·5653	10·6	...	53·834	-29·270	0·95	47·5331	10·2	...	...	...	...	...	...
...	40·344	+42·332	1·00	46·5654	10·2	...	54·117	-9·365	0·85	47·5332	10·3	...	...	...	...	...	...
...	+40·566	-29·569	-5	m	...	...	+54·410	-9·390	-5	e	...	...	...	...	...	...	...
*	40·596	+11·149	1·40	46·5655	9·0	...	54·431	+32·182	-5	...	...	...	...	...	...	...	...
...	41·542	-20·073	-5	m	...	...	54·837	-0·480	-3	e	...	...	...	...	...	...	...
...	41·630	-25·252	-3	47·5316	10·6	...	55·483	-39·239	-5	e	...	...	...	...	...	...	...
...	41·740	-29·081	-5	...	...	...	55·544	+4·428	-4	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1-60						61-120						121-180					
I																	
...	-59.888	-20.804	-5	° E	...	61	-48.824	-31.594	-3	°	...	121	-36.538	-2.605	-1	°	...
...	59.870	-25.546	-2	47.5316	10.6	...	48.325	-36.179	-5	M	...	...	36.277	+2.731	-5	M	...
...	59.661	-29.381	-5	...	...	S*	48.136	-45.598	1.35	47.5330	9.4	...	36.169	-22.378	-3	...	...
...	59.627	+46.433	-5	...	...	...	47.991	+38.932	0.80	46.5670	10.5	...	36.165	-31.317	-4	...	...
*	59.561	-21.286	1.10	47.5317	9.9	...	47.902	-9.268	0.85	47.5332	10.3	...	36.069	+15.921	-5	M	...
...	-59.364	-25.335	0.70	47.5319	10.6	...	-47.621	-9.285	-4	E	...	...	-35.582	-54.712	-5	M	...
...	59.007	+0.377	-5	...	...	...	47.549	-29.177	0.95	47.5331	10.2	...	35.519	-21.788	-4	M	...
...	58.858	+4.041	-5	...	...	...	47.461	-0.383	-3	E	...	...	35.441	-47.794	0.75	47.5342	10.6
...	58.805	-54.397	-5	47.5318	10.6	...	47.171	-7.933	-5	M	...	...	35.353	+27.154	-1	46.5682	10.6
...	58.777	-14.262	-4	...	...	...	46.923	+4.557	-3	...	...	†	34.981	+20.341	-4	...	...
II	-58.301	-54.298	1.00	47.5320	10.0	71	-46.650	+10.088	-5	...	...	131	-34.889	-59.396	-5	...	...
...	57.985	-36.325	-5	M	...	...	46.584	-4.507	0.70	46.5671	10.6	...	34.527	+3.014	-5	M	...
...	56.769	-3.949	-3	E	...	...	46.377	+57.632	-5	45.5771	10.6	...	34.430	+15.100	-5	...	...
...	56.415	+24.296	0.65	46.5658	10.5	...	46.080	-14.272	-4	E	...	S*	34.120	+5.878	1.05	46.5683	9.4
...	56.385	+8.629	-5	M	...	...	45.785	+14.990	-4	E	...	...	34.088	+13.026	-4	...	...
...	-56.194	-20.743	1.00	47.5321	10.0	...	-45.779	+56.114	-3	45.5772	10.6	†	-33.676	+0.243	-5	...	...
*	56.193	+13.235	1.00	46.5659	10.0	...	45.744	-51.099	-5	M	...	[	33.629	+20.732	0.75	46.5684	9.7
...	55.638	-49.176	-5	...	...	...	45.579	-39.095	-5	E	...	...	33.585	+20.780	-1	46.5684	9.7
...	55.472	+3.229	0.80	46.5660	10.3	...	45.449	+17.780	-5	...	...	...	32.934	+41.464	-4	...	...
...	55.274	-7.408	0.95	46.5662	10.0	...	45.282	+11.742	-4	...	...	...	32.870	+35.245	-5	...	...
21	-55.231	-7.729	0.80	46.5661	10.3	81	-45.187	+30.482	1.20	46.5672	9.4	* 141	-32.776	-23.234	1.00	47.5343	10.0
...	55.217	-37.961	-5	E	...	...	45.102	-6.791	-4	E	...	...	32.410	+49.935	-5	...	...
...	54.817	-53.573	-4	E	...	†	44.963	-36.942	-2	47.5335	10.6	...	32.022	+13.118	-2	46.5685	10.6
...	54.639	+4.524	-4	...	...	...	44.693	-48.322	-1	47.5336	10.6	...	31.845	-49.693	-4	M	...
...	54.589	-14.934	0.90	47.5322	10.2	...	44.481	-18.950	-3	...	...	*	31.589	+18.790	1.00	46.5686	9.8
...	-54.478	+0.920	-4	...	...	*	-44.469	+34.862	1.20	46.5673	9.4	...	-30.978	+30.363	-4	...	...
...	54.472	-23.305	-4	E	...	...	43.579	+15.066	-4	...	...	...	30.804	+12.394	-5	...	...
*	54.280	+9.941	-5	E	...	...	43.241	-37.299	-5	M	...	...	30.356	-34.047	-3	...	...
*	54.204	+35.327	1.00	46.5664	9.9	...	43.108	-37.762	-1	47.5337	10.6	...	30.326	-42.881	-4	M	...
...	54.162	-37.409	-5	E	...	...	42.825	+30.969	-3	46.5675	10.6	*	29.567	-26.790	1.00	47.5344	10.0
31	-54.046	+22.609	-5	...	...	91	-42.551	+3.185	0.80	46.5674	10.4	151	-29.334	+16.941	-4	...	...
S*	53.953	-7.457	1.15	46.5663	9.4	...	42.175	+25.410	-4	...	...	...	29.108	+31.569	-5	...	...
*	53.646	-24.795	1.20	47.5323	9.8	...	42.140	+53.256	-4	...	...	...	29.060	-3.856	-1	46.5687	10.6
†	53.603	+55.107	-5	...	...	...	42.111	-54.201	-5	M	...	...	28.654	+39.709	-2	46.5688	10.3
...	53.439	-6.292	-5	M	...	...	42.045	+53.658	-1	45.5774	10.6	...	28.576	+28.506	-5	...	...
...	-53.311	-22.767	-4	E	...	...	-41.547	+58.531	-2	45.5775	10.6	+	-28.518	-44.667	1.00	47.5345	9.9
...	53.258	+0.558	-5	M	...	...	41.386	-0.463	0.80	46.5676	10.5	...	28.330	+4.888	-1	46.5689	10.6
...	53.158	+32.733	0.65	46.5665	10.6	...	41.206	+19.191	-5	...	...	†	28.299	+35.111	-4	...	...
...	52.891	+11.303	-5	E	...	...	41.099	-44.730	-5	M	...	...	28.280	+52.532	-5	...	...
...	52.799	-16.866	-5	M	...	...	40.967	-34.802	-4	M	...	*	27.838	+32.110	1.05	46.5691	9.8
41	-52.781	-6.391	-4	E	...	101	-40.915	-23.051	-4	...	...	161	-27.810	-35.220	-4	...	...
...	52.758	-35.277	-5	E	...	*	40.709	-12.372	1.00	47.5338	10.0	...	27.731	+18.232	0.90	46.5690	10.0
...	52.288	-45.056	0.80	47.5324	10.3	...	40.696	+2.257	-2	46.5677	10.6	...	27.111	+45.863	-3	...	...
...	52.266	-32.237	0.65	47.5325	10.6	S*	40.552	+41.496	1.40	46.5679	9.1	*	27.079	+17.789	1.20	46.5692	9.4
*	52.223	+8.959	1.10	46.5666	9.8	...	40.502	+1.738	0.85	46.5678	10.2	*	27.025	+14.383	1.25	46.5693	9.4
...	-52.038	+4.118	-5	...	...	...	-40.214	-47.538	-5	M	...	n	-26.775	-34.915	-4	47.5346	10.6
...	51.689	+59.055	-5	...	...	...	39.954	-51.630	-2	...	...	n	26.761	-35.129	-2	47.5346	10.6
...	51.632	-13.225	-3	...	...	...	39.790	-20.842	-5	M	...	...	26.668	+6.562	-5	...	...
...	50.657	+13.003	-3	...	...	...	39.772	+24.846	-5	...	...	...	26.584	+32.294	-4	...	...
...	50.599	-6.638	-2	46.5667	10.6	...	39.531	+8.378	-3	...	...	...	26.428	-9.523	-5	M	...
51	-50.504	-22.413	-2	47.5327	10.6	111	-39.432	-36.977	-1	47.5339	10.6	171	-26.309	-50.047	0.75	47.5347	10.3
...	50.021	-3.021	0.65	46.5668	10.6	...	38.889	+33.667	-4	...	...	...	26.041	+16.747	-5	...	...
†	49.975	-56.467	-5	...	...	...	38.381	-20.618	0.80	47.5340	10.4	...	26.037	-16.596	-1	...	...
...	49.924	-14.178	-3	47.5328	10.6	...	38.316	-26.944	-3	...	...	*	25.550	+46.500	1.00	46.5694	9.8
...	49.697	+24.847	-5	...	...	...	38.271	-8.078	-1	46.5680	10.6	...	25.371	-22.406	0.70	47.5348	10.5
...	-49.610	-24.796	-4	...	...	...	-38.180	+54.131	-3	...	...	...	-25.342	-21.668	-5	M	...
...	49.487	-8.994	0.70	47.5329	10.6	...	37.678	+7.920	0.85	46.5681	9.9	*	25.244	-30.146	1.15	47.5349	9.5
*	49.214	+19.307	1.00	46.5669	10.0	...	37.079	+23.519	-4	...	...	...	25.005	+32.865	-5	...	...
...	49.006	-25.827	-5	M	...	...	36.871	+55.383	-3	...	...	...	24.399	-55.345	-4	...	...
...	48.929	+32.266	-5	...	...	...	36.738	-10.016	-4	B	...	...	24.140	+40.750	-5	...	...

C measured from 1, 150, 315, 479.
MC " " 83, 233, 397, 552.

166, 167. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
181-240																	
181	-24.081	-55.023	0.70	47.5350	10.4	241	-14.130	-38.450	-4	0	...	301	-2.475	+2.850	-2	0	...
*	23.938	-14.993	0.95	47.5351	9.9	...	14.090	-1.772	-5	M	2.351	+5.822	1.00	46.5717	10.0
23.748	+43.872	-3	...	...	...	14.062	+38.856	-5	...	...	...	2.139	-11.297	1.40	47.5373	9.2
23.427	-4.699	0.70	46.5695	10.2	...	14.038	+38.397	-1	46.5707	10.4	...	2.015	-41.989	-2	...	...
23.028	+33.575	-5	...	...	...	13.884	+39.824	-5	M	...	...	1.903	+53.698	-5	m	...
-22.919	+22.348	0.70	46.5696	10.2	...	-13.398	+15.428	-4	...	...	...	-1.734	+6.849	-4	m	...
22.795	+50.085	-4	...	...	...	12.967	-55.648	-5	M	...	...	1.599	+14.380	-4	m	...
22.773	+27.216	-5	M	...	...	12.893	-50.368	-4	...	...	...	1.520	-39.459	1.00	47.5375	9.7
22.694	-7.254	-5	M	...	...	12.712	-23.423	0.65	47.5361	10.4	...	1.334	+7.439	-3	m	...
22.280	+36.252	-2	46.5697	10.4	...	12.615	-18.928	-3	...	...	N*	1.114	-5.385	1.00	46.5718	8.8
191	-22.209	-46.714	-3	251	-12.258	-26.413	0.90	47.5362	9.9	311	-1.010	-5.447	1.50	46.5718	8.8
22.150	+12.786	-3	46.5698	10.2	...	12.221	-13.306	0.75	47.5363	10.2	...	0.886	-22.656	0.65	47.5376	10.2	
A	22.119	+12.842	-4	46.5698	10.2	...	11.664	+39.788	-4	*	0.738	+40.943	1.00	46.5719	9.9
21.966	+23.407	-2	46.5699	10.6	...	11.066	-37.129	-4	...	...	...	0.562	+11.663	0.75	46.5720	10.3
21.931	+17.898	-5	...	...	*	11.052	+31.386	0.95	46.5708	9.9	S+	0.078	+34.164	2.10	46.5721	8.3
-21.849	+28.478	-4	...	...	†	-11.038	-54.639	0.65	47.5364	10.3	...	-0.015	+19.371	-3	...	...
21.528	+18.545	-5	M	...	...	11.021	-54.811	-3	...	...	...	-0.014	-33.811	-2	47.5378	10.3
n	21.146	+15.007	-1	46.5700	10.2	...	11.017	-42.440	-4	+	0.030	-41.066	-4
20.934	-15.464	0.90	47.5352	10.2	...	10.965	+40.923	-4	...	...	S*	0.177	-31.868	1.85	47.5379	8.8
n	20.897	+14.979	0.65	46.5700	10.2	...	10.891	-51.392	-5	M	1.184	-45.808	-5	M	...
201	-20.833	-31.992	-5	M	...	261	-10.795	-23.925	-4	321	+1.277	+10.697	-5	m	...
20.793	-23.722	-5	M	...	...	10.728	-1.919	-5	B	...	...	1.752	+0.386	-4	Fm	...
20.278	+31.216	0.90	46.5701	10.0	...	10.633	-28.291	-4	...	...	...	1.754	+43.848	-5	m	...
20.206	-7.428	-5	M	...	...	10.407	-47.765	-3	...	...	...	2.028	+35.024	-3	46.5722	10.6
19.772	-33.579	-4	A	...	...	10.246	-13.003	-5	...	...	...	2.291	-42.732	0.65	...	...
-19.746	-11.781	-1	47.5354	10.6	...	9.901	+36.890	-5	M	...	...	+2.430	-36.176	0.65	47.5380	10.6
19.479	-19.090	-4	...	...	...	9.750	-6.672	-4	M	...	...	2.666	-30.709	0.75	47.5381	10.6
19.242	-36.713	0.80	47.5355	10.5	...	9.333	-56.239	-5	M	...	...	2.749	+31.450	-5	Mm	...
19.159	-20.271	-5	M	...	...	8.962	+59.447	-2	...	...	*	3.053	-3.265	1.50	46.5723	9.1
18.662	+58.552	-3	...	...	...	8.954	+32.481	-4	...	...	...	3.209	-3.274	-4	Bm	...
211	-18.393	-34.100	-4	271	-8.055	+22.264	-3	m	...	331	+3.358	-17.417	-5	Mm	...
18.347	+34.606	-2	46.5702	10.6	...	7.917	-2.087	-2	46.5710	10.6	...	3.497	-50.536	-5	Mm	...	
18.338	-32.373	-4	...	...	...	7.889	-43.707	-4	...	...	...	3.677	+55.572	-1	45.5814	10.6
17.953	-57.192	-2	47.5356	10.6	...	7.863	-3.913	-1	46.5712	10.6	...	3.744	+36.214	-3	...	...
17.869	+5.668	-5	M	...	...	7.810	-34.494	-2	47.5365	10.6	...	3.768	+35.265	-1	46.5724	10.0
-17.864	+33.155	-5	...	...	...	7.680	+13.486	-3	46.5711	10.6	...	+3.835	+58.471	-4	...	...
17.602	+35.702	0.95	46.5703	9.9	...	7.438	-28.453	-2	...	...	...	3.925	-40.324	-3	...	...
17.485	+52.432	-4	...	...	...	7.371	-32.519	-5	Mm	...	...	3.955	-49.298	-3	...	...
*	17.166	-27.577	1.00	47.5357	9.9	...	7.262	-11.283	-4	...	...	4.200	-24.396	-3	...	...
17.156	+46.735	-5	...	...	...	6.887	+50.314	-3	...	...	...	4.463	-36.605	0.90	47.5382	10.4
221	-17.107	+17.408	-5	M	...	281	-6.862	-27.089	-5	Mm	...	341	+5.151	-25.908	-1
16.808	+20.458	-4	...	...	...	6.861	+11.672	-4	m	...	...	5.336	-18.835	-5	Ma	...
*	16.767	+39.097	1.00	46.5704	9.9	...	6.760	+30.563	-4	m	5.346	+13.718	-3	46.5725	10.6
16.723	-43.709	-5	M	...	...	6.654	-0.761	-2	...	...	...	5.649	+38.380	0.95	46.5726	9.9
16.385	-4.937	-4	...	...	*	6.286	-18.661	1.20	47.5367	9.4	...	5.693	+17.222	-3	46.5727	10.6
†	-16.334	-24.650	-5	...	...	6.249	+59.580	-3	...	...	...	+5.751	+6.565	-4	...	...
15.979	-40.185	-3	...	...	...	5.924	-17.893	-2	47.5368	10.6	...	6.021	+33.579	-5	Mm	...
15.960	+52.399	-5	...	...	...	5.743	+18.308	-2	46.5713	10.6	...	6.048	-21.537	-5	M	...
†	15.782	-54.588	-4	...	†	5.139	-39.746	-2	47.5370	10.6	...	6.154	-30.050	-3	...	...
15.511	-30.273	-5	M	...	*	5.047	+47.436	0.95	46.5714	9.9	*	6.271	+52.369	1.10	45.5818	9.7	
231	-15.281	+20.069	0.75	46.5705	10.4	291	-4.502	-13.908	-3	47.5371	10.6	351	+6.513	-27.774	-1	47.5383	10.6
†	15.120	+3.825	-5	...	...	4.492	+6.354	-4	Mm	...	...	6.620	+11.665	-5	Mm	...
14.867	+23.545	-4	...	...	...	4.434	-20.688	-5	...	...	...	6.676	+58.607	-2	...	...
14.794	-31.035	-3	...	...	...	4.424	-1.719	-2	46.5715	10.6	...	6.767	-9.275	1.00	47.5384	10.0
n*	14.788	-22.009	1.00	47.5358	9.4	...	4.140	-34.443	-5	Mm	6.825	+12.753	-5	Mm	...
n	-14.655	-21.999	-1	47.5358	9.4	...	3.985	+22.544	-4	+6.859	-0.412	0.65	A	...
14.582	+23.184	-3	...	...	...	3.773	-57.571	-1	47.5372	10.5	...	6.971	-49.199	-5	M	...
14.491	+3.055	-3	...	...	...	3.690	+37.438	-4	...	...	...	7.223	+33.015	-4	...	...
S+	14.242	-49.557	1.00	47.5359	9.5	*	3.350	+48.925	0.90	46.5716	9.9	...	7.355	-9.438	0.65	47.5385	10.6
...	14.167	+38.843	-3	46.5706	10.5	...	3.226	+32.969	-3	7.522	-46.689	0.95	47.5386	10.0

198, 200. C.P.D., probably mass.
235, 236. C.P.D., probably mass.

C.P.D. 46°-5709. Too faint to measure.
310, 311. 48°-73, two stars; 48°-74, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
361-420																	
361	+ 8°191	+45°965	0°65	46.5728	10·6	421	+19°121	-35°821	-4	°	...	481	+30°516	+ 4°758	0°70	46°5752	10·6
...	+ 8°366	+33°293	-4	...	...	...	19°126	+41°200	-4	...	...	...	30°553	+45°893	0°90	46°5751	10·0
...	+ 8°403	+44°337	0°95	46.5729	10·6	...	19°256	+26°596	-3	...	...	...	30°865	+17°733	-3	...	...
*	+ 8°556	+16°504	1°00	46.5730	10·0	...	19°446	-30°160	-4	...	...	...	30°903	+53°622	-5	...	...
...	+ 8°665	+52°359	-5	m	...	...	19°556	+46°511	-1	46.5743	10·5	...	31°043	-42°741	-5	m	...
...	+ 9°293	+49°635	-4	...	...	...	+19°878	+50°228	-1	46.5744	10·6	...	+31°491	+45°006	-4	...	...
...	+ 9°297	+ 4°096	-4	...	...	...	20°526	-41°993	-4	b	...	...	31°495	-43°295	0°65	47·5407	10·6
...	+ 9°468	-13°522	-5	...	...	...	20°540	-34°907	-1	47·5397	10·6	...	31°661	-18°072	-3	47·5406	10·6
...	+ 9°493	+57°175	-2	...	...	...	20°547	+39°053	-4	...	...	...	32°052	-59°488	0°70	47·5409	10·4
...	+ 9°495	+19°328	-5	m	...	...	20°558	+46°602	-5	m	...	...	32°067	-23°955	0°70	47·5408	10·4
371	+ 9°577	+ 1°290	-4	m	...	431	+21°284	-55°364	-4	...	...	...	+32°700	-36°759	-5	m	...
+	+ 9°764	+32°698	1°15	46.5731	9·5	...	21°327	-34°736	-5	m	...	...	32°995	-25°178	-5	m	...
†	+ 9°776	-47°586	-3	47·5388	10·6	...	21°357	-18°169	-5	...	...	...	33°095	-7°239	1°00	46·5753	10·0
...	+ 9°889	-37°753	-4	...	...	...	21°528	-35°143	-3	...	...	...	33°427	+20°107	-3	...	...
...	+ 9°923	+23°523	-4	...	...	...	21°580	+18°559	-4	m	...	...	33°629	-20°278	-3	...	...
...	+10·003	-31°022	-2	47·5387	10·6	...	+21°627	-19°114	-5	...	...	...	+33°839	-23°395	-2	47·5410	10·6
...	+10·546	-56°035	-4	...	...	...	21°818	+17°935	-5	m	...	...	33°842	-49°429	0°90	47·5411	10·4
...	+10·583	-37°753	-1	47·5389	10·6	...	22°009	+15°255	-4	m	...	...	34°038	-50°828	-4	...	...
*	+10·963	-6°090	1°15	46·5732	9·8	...	22°070	+31°128	-2	...	...	...	34°195	+45°810	-3	...	...
...	11·598	-19°644	0°70	47·5390	10·2	...	22°386	+43°814	-5	m	...	...	34°301	+19°879	0°75	46·5754	10·3
381	* +11·695	-20°989	1°10	47·5391	9·8	441	+22°603	+16°551	-4	a	...	501	+34°406	-3°877	-5	m	...
*	+11·806	+58°446	1°10	45·5822	9·8	...	23°362	-31°244	-2	...	...	...	34°836	-30°943	0°70	47·5413	10·5
*	+12·146	-36°406	1°00	47·5392	10·2	...	23°416	+4°693	-4	...	...	...	35°008	+34°483	-2	...	...
...	+12·717	+ 2°382	-4	...	...	...	23°636	+19°580	0·80	46·5745	10·2	...	35°196	-25°333	1°00	47·5414	10·2
...	+12·770	+46°165	0·90	46·5733	10·0	...	23°742	-54°243	-4	...	...	...	35°542	+6°588	-4	m	...
...	+12·773	-21°237	-3	...	...	...	+23°771	-33°384	-3	...	...	...	+35°555	+5°566	-2	...	...
...	+13·087	+ 3°474	-4	...	...	...	23°823	+38°443	-5	m	...	...	35°573	+53°267	-2	...	...
...	+13·296	-43°326	0·90	47·5393	10·4	...	23°938	-2°819	-3	...	...	...	35°701	-49°786	0°70	47·5415	10·2
†	+13·486	+50°127	-2	46·5734	10·5	...	24°338	-14°459	-2	...	...	...	36°143	+2°793	0·65	46·5755	10·6
*	+13·696	+40°286	1°00	46·5735	9·9	*	24°425	-54°806	1°20	47·5399	9·4	...	36°530	+14°331	1°00	46·5756	9·8
391	+13·770	-23°010	-5	...	...	451	+24°635	+19°505	0·75	46·5746	10·2	...	+36°540	-35°504	-5	m	...
...	14·113	-16°850	-3	...	...	...	24°697	-13°665	-4	...	...	...	36°848	-52°433	-5	...	...
...	14·272	-15°752	-3	...	...	...	24°705	+42°796	0·90	46·5747	9·9	...	37°487	-40°575	-5	m	...
...	14·447	-7°013	0·70	46·5736	10·6	...	24°900	-11°119	-5	m	...	...	37°770	-27°256	0·75	47·5416	10·6
...	14·475	+37°366	-5	...	...	...	25°129	-46°517	0·90	47·5400	10·3	...	37°809	-1°109	-4	...	...
8*	+14·574	+26°562	-2	...	...	...	+25°351	-11°558	-4	...	...	...	+37°871	-59°419	0·75	47·5418	10·5
15·028	+18°952	2°00	46·5737	8·4	S *	25°618	-6°402	1·85	46·5748	8·8	...	37°904	-49°371	1°05	47·5417	10·0	
15·401	-26°971	-3	...	...	...	25°669	+58°995	-5	m	...	...	38°107	+15°666	-4	m	...	
15·409	+ 4°821	-5	m	...	...	25°857	-28°448	0·65	47·5401	10·5	...	38°461	-23°361	-5	m	...	
15·434	+17°544	-3	46·5738	10·5	...	26°044	-8°265	-3	47·5402	10·6	*	38°826	-26°793	1°00	47·5419	10·0	
401	+15·488	+23°149	-5	m	...	461	+26°272	-2°511	-3	...	...	521	+38°964	+ 6°719	-5	m	...
...	+15·806	+48°897	-1	...	...	...	26°305	+35°658	-4	...	...	...	39°313	+50°237	-5	...	...
...	+15·953	+19°535	0·80	46·5739	10·0	...	26°390	-56°806	-4	a	...	...	39°601	+45°450	-2	...	...
...	16·272	-22°147	-1	47·5394	10·5	...	26°764	+23°347	-5	m	...	*	39°605	-39°120	1°20	47·5420	9·4
...	16·344	-20°506	-3	...	...	...	26°764	+ 9°733	-4	...	...	...	39°988	+33°734	0·70	46·5757	10·6
...	+16·350	-28°223	-5	m	...	...	+26°801	+23°666	-3	...	...	...	+40°015	+11°003	0·65	...	...
...	16·539	-50°700	-5	m	...	...	27°528	+ 0·811	0·90	46·5749	10·2	*	40°150	-58°130	1·25	47·5422	9·5
...	16·752	+18°053	-5	m	...	...	27°595	-22°302	-1	47·5403	10·6	...	40°386	+37°405	-5	m	...
...	17·383	+29°720	-4	m	...	...	27°609	+31°001	-5	m	...	...	40°648	+21°459	-4	...	...
*	17·889	+37°542	0·90	46·5740	10·0	...	28°120	+25°416	-4	...	...	...	40°705	-13°494	-3	47·5421	10·6
411	* +18·102	-57°855	1·40	47·5395	9·4	471	+28°517	-42°628	-5	m	...	531	+40°743	+52°364	0·80	45·5843	10·0
...	18·296	+55°396	-4	...	...	...	28°520	-1°860	-4	m	...	...	41°014	+48°930	1·25	46·5758	9·5
...	18·322	-6°455	-4	...	...	...	28°698	-16°348	-5	m	...	...	41°387	+11°339	-5	m	...
S*	18·392	+44°908	1·40	46·5741	8·8	...	28°794	+21°250	-4	...	...	...	41°572	-17°681	-4	m	...
...	18·453	-26°463	-4	...	...	...	28°937	-27°739	-5	m	...	...	41°748	+22°127	-5	m	...
...	+18·636	-54°166	-5	m	...	...	+29·108	-21°385	-1	47·5404	10·6	...	+41°781	+14°672	0·80	46·5759	10·6
*	18·747	-1°984	1·40	46·5742	9·4	*	29°371	+26°594	0·95	46·5750	9·9	...	41°970	+43°738	-4	...	...
...	18·962	-15°399	-2	...	...	...	29°540	+34°670	-5	m	...	...	42°192	+ 8°765	-4	m	...
...	19·058	-45°777	-3	...	...	...	29°846	-33°632	-5	m	...	...	42°216	-18°084	-5	...	...
...	19·116	-11°183	0·80	47·5396	10·2	...	30°139	-55°075	-5	...	...	...	42°267	-59°044	0·80	47·5424	10·2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
541-580																	
541	+42·443	-19·205	-4	o	...	581	+48·104	+12·318	-2	o	...	621	+55·122	-35·180	1·30	47·5442	9·4
...	42·536	+13·098	0·65	...	...	...	48·289	+41·186	-3	46·5767	10·6	...	55·404	+21·007	-2	...	...
*	43·125	-53·168	1·35	47·5425	9·4	...	48·719	-35·881	-5	...	...	*	55·821	+27·903	1·00	46·5773	9·9
...	43·188	+52·952	-3	45·5845	10·6	...	48·788	+56·107	1·00	45·5851	9·9	...	56·179	-59·375	-5	...	...
*	43·270	-3·675	1·30	46·5760	9·4	*	49·104	-53·191	1·10	47·5436	9·5	...	56·241	-43·680	-4	...	...
...	+43·348	+50·953	-5	...	...	...	+50·030	+57·012	-1	45·5852	10·3	...	+56·874	-41·795	-2	47·5443	10·6
...	43·490	-59·101	-1	47·5428	10·5	...	50·227	+31·691	0·65	46·5768	10·5	†	57·102	+45·127	-5	...	...
...	44·445	+29·188	-4	m	...	...	50·510	+32·885	-3	...	...	...	57·321	+9·241	-2	...	...
...	44·496	+12·464	0·65	46·5761	10·6	...	50·683	-8·221	-3	...	...	...	57·510	-54·169	0·85	47·5444	10·2
...	44·505	-19·367	-5	m	...	...	50·759	+22·259	-4	...	...	...	57·569	-4·935	-3	...	...
551	+44·555	-1·630	-4	m	...	591	+50·793	-28·011	-4	b	...	631	+57·050	+31·072	-2	46·5774	10·6
†	44·783	-43·148	-5	m	...	...	50·877	-5·229	-2	46·5770	10·6	...	57·951	-4·261	-4	...	...
...	44·920	-10·359	-1	47·5430	10·6	...	50·975	-26·954	-5	m	...	...	57·997	-41·612	-5	m	...
...	44·928	+47·136	0·80	46·5762	10·0	...	51·176	-16·084	0·90	47·5437	10·0	...	58·112	+17·479	-5	m	...
...	44·985	+14·199	0·65	46·5764	10·5	...	51·285	-40·093	-5	m	...	...	58·288	-27·695	0·80	47·5445	10·4
...	+45·011	+15·451	-5	m	...	...	+51·291	-13·371	-5	m	...	...	+58·517	+47·367	-5	...	...
...	45·082	+38·609	-5	m	...	...	51·430	-32·556	-5	m	...	...	58·750	-17·398	-4	m	...
*	45·158	-58·274	1·20	47·5431	9·4	...	51·491	+27·451	-2	46·5769	10·6	...	58·765	+57·627	-5	...	...
...	45·229	-50·691	-3	...	...	...	51·990	-3·531	-4	...	...	...	58·808	-57·500	-3	47·5446	10·6
*	45·294	+43·542	1·10	46·5763	9·8	...	52·007	-31·297	0·75	47·5438	10·2	...	58·897	+49·476	-3	46·5775	10·6
561	+45·552	+24·833	-1	...	...	601	+52·637	-4·897	-4	...	...	641	+59·000	+25·857	-4	...	...
...	45·661	+10·538	-5	m	...	...	52·766	+28·476	-5	...	...	...	59·448	+8·330	-1	46·5777	10·4
...	45·666	+38·864	-1	46·5765	10·6	...	52·887	-4·496	-2	...	...	*	59·470	+8·991	1·50	46·5776	9·0
...	45·705	+18·938	-4	...	...	...	53·024	-0·951	1·00	46·5772	9·5	...	59·527	+8·390	-5	m	...
...	45·862	+34·349	-2	...	...	...	53·127	+38·258	0·85	46·5771	10·2	...	...	...	...	...
...	+45·994	-26·215	-4	a	...	...	+53·171	-57·234	-4	...	...	...	...	...	...	...
...	46·162	+0·365	-5	m	...	...	53·247	+52·917	-3	...	...	...	...	...	...	...
...	46·174	+53·488	-4	...	...	...	53·257	-38·706	0·90	47·5440	10·3	...	...	...	...	...
...	46·201	+31·130	-3	...	...	...	53·598	+9·548	-4	...	...	...	...	...	...	...
...	46·564	+12·624	-4	m	...	...	53·662	-6·949	-3	...	...	...	...	...	...	...
571	+46·600	+53·028	0·90	45·5850	10·2	611	+53·704	-0·445	-4	m	...	...	...	...	...	...
...	46·644	-13·533	-2	...	...	...	53·793	-52·790	-5	...	...	...	...	...	...	...
e	46·816	-0·200	-1	46·5766	10·5	†	53·812	+20·142	-4	m	...	...	...	...	...	...
...	46·880	-25·166	-1	47·5432	10·6	...	54·045	+29·407	-3	...	...	...	...	...	...	...
...	47·174	+17·919	-1	...	...	...	54·320	-52·251	2·00	47·5441	8·8	...	...	...	...	...
...	+47·185	-38·182	-5	m	...	...	+54·410	+3·638	-3	...	...	...	...	...	...	...
...	47·405	-50·147	-5	m	...	...	54·436	+57·430	-5	...	...	...	...	...	...	...
...	47·529	-31·690	-5	b	...	...	54·571	-11·096	-4	...	...	...	...	...	...	...
*	47·632	-33·846	1·00	47·5434	9·8	...	54·621	-7·719	-5	m	...	...	...	...	...	...
S *	47·639	-23·872	2·35	47·5433	8·2	...	54·797	-25·994	-5	m	...	...	...	...	...	...

1-10				11-20				21-30				
1	-59·280	-19·473	-5	o	...	...	...	21	-55·248	-13·666	-4	o
*	58·935	-3·922	1·40	46·5760	9·4	...	57·398	+52·871	-1	45·5850	10·2	...
...	58·880	+46·937	-2	46·5762	10·0	...	57·074	-10·545	-3	47·5430	10·6	...
*	58·410	+43·344	1·10	46·5763	9·8	...	56·952	-59·319	-4	47·5428	10·5	...
...	58·218	+12·244	-2	46·5761	10·6	...	55·727	+17·797	-3	...	...	...
...	-58·170	-59·309	-3	47·5424	10·2	E	-55·502	-0·327	-3	46·5766	10·5	*
...	57·880	+38·674	-4	46·5765	10·6	...	55·474	-50·848	-5	...	...	...
...	57·787	+14·001	-1	46·5764	10·5	...	55·345	+41·075	-5	46·5767	10·6	...
...	57·554	+24·657	-3	...	...	*	55·308	-58·443	1·40	47·5431	9·4	...
...	57·551	+34·162	-4	...	...	...	55·301	+56·025	0·90	45·5851	9·9	*

C measured from 1, 101, 184, 269.
MC .., .., 52, 145, 223, 309.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
31-90																		
31	-51°379	-8°236	-4	°	91	-31°932	+12°832	-1	46°5791	10°4	151	-13°463	+20°501	-1	46°5808	10°2
...	51°290	-5°237	-3	46.5770	10°6	...	31°867	-9°590	0°75	47.5456	10°3	*	13°171	-24°563	0°95	47.5473	10°0	
...	50°768	+52°979	-4	...	...	...	31°723	+7°743	-5	M	...	...	12°551	-34°017	-4	47.5474	10°6
...	50°636	-16°087	1°05	47.5437	10°0	...	31°634	-33°000	-5	...	...	...	11°956	-27°774	-1	47.5475	10°6
...	50°411	+38°306	0°90	46.5771	10°2	...	31°582	+14°376	-1	46.5792	10°3	†	11°677	-49°823	-3	...	...
...	-50°221	-3°489	-5	...	...	...	31°542	+22°847	-1	46.5793	10°6	...	-11°304	-15°205	-4	...	...
...	49°313	-31°254	0°65	47.5438	10°2	...	30°998	-10°866	1°00	47.5457	9°9	*	10°549	-14°547	1°30	47.5476	9°7	
...	49°293	-4°432	-4	...	...	...	30°535	-28°414	-3	47.5458	10°6	†	10°364	-54°675	-3	...	...
*	49°272	-0°880	1°30	46.5772	9°5	...	30°137	-0°219	-5	M	...	*	10°364	-16°487	3°00	47.5477	7°9	
...	49°221	+29°492	-3	...	...	...	30°064	-43°681	1°80	47.5459	9°1	*	9°635	-51°546	1°10	47.5478	9°9
41	101																	
...	-48°458	-6°859	-5	-29°927	+46°189	-5	-	9°513	+15°128	-5
...	48°205	-59°629	-4	47.5439	10°5	...	29°721	+10°842	-3	...	...	...	9°130	-46°554	0°85	47.5479	10°2
...	47°848	-38°619	0°80	47.5440	10°3	...	29°614	+38°965	-1	46.5794	10°4	...	8°754	+2°514	-5	M	...	
...	47°590	+21°135	-5	...	...	*	29°600	-41°747	1°30	47.5460	9°7	...	8°444	-45°193	-5	...	...
...	47°394	+28°039	1°00	46.5773	9°9	...	29°434	-10°837	-3	...	...	*	8°181	+58°535	1°40	45.5884	9°4
*	-46°340	-52°140	2°10	47.5441	8°8	...	29°354	-58°416	-3	47.5461	10°6	...	-7°718	+28°461	-5	...	...
*	46°080	-35°045	1°40	47.5442	9°4	...	29°112	-57°242	1°00	47.5462	10°0	...	7°215	-15°147	-4	...	...
...	45°667	+31°262	-3	46.5774	10°6	...	29°002	+55°526	-4	45.5869	10°3	n	6°957	+50°840	-3	46.5810	10°0	
...	45°396	+57°861	-5	...	...	...	28°933	-27°460	0°95	47.5463	10°2	...	6°767	-10°336	-4	...	...
...	45°301	+9°444	-3	...	...	...	28°583	+51°026	0°80	46.5795	10°2	n	6°753	+50°818	-3	46.5810	10°0
51	111																	
†	-45°006	+49°719	-5	46.5775	10°6	*	-28°298	+17°060	1°30	46.5796	9°9	...	-6°450	-28°789	-5	...	...
...	44°128	-41°587	-1	47.5443	10°6	...	27°908	+19°918	-5	...	...	...	6°321	+52°903	1°00	45.5887	9°9
...	43°207	+46°531	0°95	46.5778	10°0	*	27°562	-24°990	1°40	47.5464	9°7	...	4°562	-28°021	-2	47.5480	10°6	
...	43°157	-27°448	-1	47.5445	10°4	...	27°515	-27°896	-5	...	...	...	4°378	-8°642	1°30	47.5481	9°7
...	43°155	+8°590	-2	46.5777	10°4	†	27°269	-19°799	-5	...	...	...	4°161	-10°487	0°90	47.5482	10°0
*	-43°144	+9°250	2°00	46.5776	9°0	...	27°245	-8°165	-3	46.5797	10°6	S*	-3°937	-45°639	3°50	47.5483	7°6	
...	43°094	-53°946	0°90	47.5444	10°2	...	27°154	-35°255	0°70	47.5465	10°5	...	3°359	-14°769	0°75	47.5484	9°9	
...	42°562	+19°370	-1	46.5780	10°5	...	27°056	-40°764	-3	47.5466	10°6	...	2°796	+42°544	-4	...	...
...	42°479	+3°443	-3	46.5779	10°6	...	26°205	-43°197	-4	...	...	S*	2°305	-14°623	2°80	47.5485	8°2
S+	42°384	+10°109	1°40	46.5781	9°4	...	24°422	+45°646	-4	46.5798	10°6	...	1°896	-50°805	-3	...	...
61	121																	
...	-42°118	+54°602	0°90	45.5857	10°0	...	-24°273	+30°699	-5	...	...	...	-1°021	-16°173	-2	47.5486	10°6
...	42°114	-12°067	-5	...	...	...	23°042	-4°253	0°80	46.5799	10°3	...	0°761	-54°622	0°80	47.5487	10°2
...	41°716	-57°228	-4	47.5446	10°6	...	22°965	-35°028	0°95	47.5467	10°3	...	0°271	-39°897	0°65	47.5488	10°2	
...	41°243	+41°532	-1	46.5782	10°4	...	22°685	+54°784	-5	...	...	†	0°019	-14°557	2°60	47.5489	8°4
*	40°724	+22°560	1°10	46.5783	9°8	...	21°142	-42°259	-4	...	...	...	+ 0°552	-0°182	-4	m	...
...	-39°901	+2°272	0°90	46.5784	9°9	...	-19°792	+40°924	-4	...	...	...	+ 1°262	+ 2°465	-4	46.5811	10°6
...	38°631	+3°917	-5	...	...	...	19°701	+21°582	0°70	46.5800	10°4	...	1°523	+ 5°510	-5	...	...
...	38°426	+3°528	-4	...	...	...	19°157	+20°427	-5	...	...	...	1°883	+38°343	-3	...	...
...	38°395	-54°374	1°00	47.5448	9°9	...	18°824	-26°395	-5	47.5468	10°6	...	1°907	+22°973	0°90	46.5812	10°0	
...	38°349	-57°695	0°90	47.5447	10°0	*	18°662	-23°044	1°40	47.5469	9°2	...	2°157	-44°889	-2	47.5491	10°6	
71	131																	
...	-38°340	+37°183	-4	...	...	*	-18°212	+43°500	1°40	46.5801	9°2	...	+ 2°314	+42°183	0°80	46.5813	10°0
...	38°228	+42°475	1°00	46.5785	10°0	...	18°045	+7°034	-4	...	...	...	2°780	-9°206	0°95	47.5492	10°3
...	37°862	-47°858	-4	...	...	...	18°012	-51°639	1°00	47.5470	10°2	*	2°954	+12°989	1°15	46.5814	9°9
...	37°619	+16°496	-4	...	...	S*	17°858	+55°077	1°45	45.5876	9°2	...	3°305	-42°334	0°75	47.5493	10°3
*	36°987	-49°077	1°70	47.5449	9°4	...	17°804	+20°339	-5	...	...	...	4°481	+15°408	-4	...	...
...	-36°385	+48°130	-2	46.5786	10°6	...	-17°767	-2°170	0°95	46.5802	9°9	...	+ 4°649	+43°753	0°85	46.5815	10°6	
...	36°262	-55°486	-5	...	...	...	17°312	-21°408	0°65	47.5471	10°4	†	4°771	-58°508	1°35	47.5494	9°8
...	35°720	-3°324	-4	...	...	...	16°928	+26°520	-4	46.5803	10°6	†	4°835	+38°992	1°40	46.5816	9°7
...	35°709	+30°113	-4	...	...	...	16°450	-2°545	-4	46.5804	10°6	*	6°132	+ 6°011	4°00	46.5817	7°0
*	35°443	-31°602	1°10	47.5451	9°9	...	15°536	-54°908	-5	...	...	...	6°522	-13°553	-3	47.5498	10°6
81	141																	
...	-35°411	+59°299	1°10	45.5866	9°9	...	-15°326	+45°318	0°70	46.5806	10°3	*	+ 6°573	-10°160	1°40	47.5497	9°4	
*	35°274	-11°350	1°80	47.5452	9°4	...	15°317	-4°281	1°00	46.5805	10°0	S*	6°911	+54°544	1°95	45.5902	8°8	
...	34°329	+18°134	0°90	46.5787	9°9	...	15°242	+55°739	0°65	45.5878	10°4	...	7°113	-13°035	0°70	47.5499	10°3	
...	33°953	-57°134	0°75	47.5453	10°3	†	15°115	+53°503	-4	45.5879	10°6	...	7°593	+19°361	-3	...	...
...	33°906	-45°459	-4	...	...	†	15°008	-32°595	-5	A	...	...	8°189	+28°406	-5	...	...
...	-33°900	+0°465	1°00	46.5788	9°9	...	-14°684	-35°259	-4	...	...	...	+ 8°384	-12°032			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
211-270																		
211	+ 9.984	- 56.520	- 3	o		271	+ 32.211	+ 14.019	- 3	o		331	+ 54.345	- 0.626	- 2	o		
...	10.136	- 40.226	- 3	...	...	...	32.319	+ 55.907	- 4	...	...	...	54.367	- 10.152	- 2	...	...
...	10.297	+ 41.489	- 2	...	...	...	33.101	+ 27.892	0.70	...	...	...	54.403	+ 27.160	- 1	...	...
...	11.127	+ 56.919	- 5	...	...	...	33.596	- 24.905	- 4	47.5516	9.8	...	54.845	+ 52.708	- 4	...	...
...	11.242	- 19.753	- 5	...	...	...	33.608	- 24.794	- 3	...	...	...	55.427	- 29.641	- 4	...	...
S *	+ 11.881	+ 17.131	2.10	46.5818	8.6	...	+ 33.801	+ 11.635	1.05	46.5829	9.6	...	+ 55.544	- 22.984	1.00	47.5525	9.8	
†	12.714	+ 30.042	- 5	...	...	...	34.481	- 43.912	0.90	...	...	...	55.588	+ 41.136	0.90	46.5838	9.8
...	13.103	- 2.574	- 5	...	...	...	34.626	- 31.168	- 5	...	...	...	55.762	- 50.796	- 5	...	...
...	13.203	+ 32.098	- 5	...	...	...	35.085	+ 5.469	- 2	...	...	*	55.889	+ 39.620	2.00	46.5839	9.2
*	13.477	+ 2.166	1.80	46.5820	8.8	...	35.308	+ 0.312	1.15	46.5830	9.6	...	56.070	- 3.581	- 3	...	...
221	* + 13.664	+ 43.174	1.40	46.5819	9.2	281	+ 35.430	- 33.007	1.00	47.5517	9.8	341	+ 56.331	+ 22.502	1.00	46.5840	9.8	
*	14.186	+ 35.718	1.15	46.5821	9.6	...	35.573	+ 30.690	- 3	...	...	...	56.362	+ 3.256	0.95	...	...
...	15.580	- 4.257	0.90	...	...	...	35.952	+ 54.760	- 3	...	...	...	56.393	- 11.133	- 1	...	...
...	16.665	+ 1.239	- 2	...	...	...	36.014	- 32.234	1.00	47.5518	9.8	...	56.983	+ 2.237	0.95	...	...
...	16.907	+ 32.574	- 2	...	...	...	37.126	+ 21.874	- 2	...	...	...	57.059	- 38.620	- 1	...	...
...	+ 17.059	- 48.173	- 5	...	...	...	+ 37.534	- 22.346	- 1	...	...	...	+ 57.517	+ 10.129	- 4	...	...
*	17.186	+ 32.249	2.00	46.5822	8.8	*	37.584	+ 52.321	1.90	45.5916	8.8	...	57.560	+ 53.925	- 5	...	...
...	17.350	- 55.172	- 5	...	...	...	38.058	- 18.430	0.75	...	...	...	57.880	- 13.134	- 1	...	...
...	18.019	- 8.688	- 5	...	...	...	38.129	+ 54.825	0.65	45.5917	9.8	...	57.934	+ 34.285	- 2	...	...
...	18.174	+ 53.576	1.00	45.5907	9.8	...	38.256	- 37.049	- 5	...	...	*	58.311	- 42.247	1.80	47.5526	9.2
231	S *	+ 19.132	- 56.913	1.70	47.5506	9.2	291	+ 39.308	+ 53.286	0.65	351	+ 58.984	- 26.875	1.80	47.5527	9.3
...	19.266	- 46.800	- 5	...	...	...	39.730	- 5.448	1.30	46.5831	9.5	...	59.129	- 21.096	1.00	47.5528	9.8
*	19.485	- 36.170	1.50	47.5507	9.2	...	40.032	- 35.826	0.80	...	...	...			
†	19.775	- 18.571	- 1	...	...	...	40.187	- 20.872	0.85	...	...	...			
...	20.233	+ 22.026	- 5	...	...	...	40.991	+ 13.879	- 5	...	...	...			
...	+ 20.725	- 28.792	- 2	...	...	*	+ 41.122	+ 42.444	1.40	46.5832	9.2	...					
...	20.972	- 36.120	0.90	...	...	*	41.196	+ 10.614	4.60	46.5833	7.3	...					
...	21.697	- 43.479	- 3	...	...	...	41.313	+ 18.300	- 4	...	...	...			
...	22.304	+ 15.626	0.90	46.5823	9.8	...	41.825	+ 44.254	- 1	...	...	...			
*	22.485	- 41.515	1.20	47.5509	9.6	...	41.868	+ 11.082	0.70	46.5834	9.8	...						
241		+ 22.639	- 44.258	- 2	...	...	301	+ 42.896	+ 18.619	- 3	...	...				
...	22.820	+ 35.602	- 2	...	...	...	43.037	- 11.926	- 5	...	...	...			
...	23.354	- 19.648	- 1	...	...	...	43.228	+ 50.183	- 3	...	...	...			
...	23.653	- 53.581	- 4	...	...	*	43.615	- 39.102	1.00	...	...	...			
...	23.930	+ 24.154	- 2	...	...	...	43.711	+ 19.748	0.95	46.5835	9.8	...					
...	+ 24.009	- 20.282	- 2	...	...	...	+ 44.347	+ 2.066	- 4	...	...	...			
*	24.206	+ 25.230	1.50	46.5824	9.2	...	44.391	- 51.638	- 4	...	...	...			
...	24.904	+ 6.700	- 3	...	...	*	44.627	- 41.696	1.10	47.5521	9.8	...					
...	24.912	- 31.206	- 1	47.5511	9.8	*	44.904	- 44.325	2.20	47.5522	8.8	...						
...	25.548	- 30.698	1.10	47.5513	9.4	...	46.322	- 44.584	- 2	...	...	...			
251		+ 25.555	- 42.690	- 4	...	...	311	S *	+ 46.794	+ 23.796	3.00	46.5836	8.0				
*	25.711	- 29.527	1.60	47.5514	9.2	...	47.721	+ 59.301	- 2	...	...	...			
...	26.480	+ 34.488	0.95	46.5825	9.8	...	47.796	- 18.970	0.75	...	...	...			
...	26.545	- 2.946	- 4	...	...	S *	48.251	- 45.671	2.75	47.5523	8.4	...					
...	26.757	+ 28.441	1.00	46.5826	9.8	...	48.384	- 11.151	- 1	...	...	...			
...	+ 26.900	+ 47.003	- 4	...	...	*	+ 48.593	- 40.534	1.80	47.5524	9.0	...					
*	27.667	+ 6.742	1.20	46.5827	9.6	...	49.638	- 32.695	- 4	...	...	...			
S *	28.018	- 5.405	1.50	46.5828	9.2	...	50.033	- 12.226	- 2	...	...	...			
†	28.098	- 34.752	1.00	47.5515	9.8	...	51.199	+ 43.939	- 5	...	...	...			
...	28.232	- 12.744	- 4	...	...	...	51.673	+ 30.588	- 4	...	...	...			
261		+ 28.433	- 17.750	- 4	...	...	321	+ 51.947	+ 4.088	0.85	...	...				
...	28.702	- 2.378	- 4	...	...	...	52.481	+ 56.528	1.10	45.5921	9.8	...					
...	28.947	- 1.122	- 3	...	...	...	52.721	+ 21.689	- 2	...	...	...			
...	28.953	- 20.418	- 4	...	...	...	52.814	+ 18.312	- 4	...	...	...			
...	28.990	- 36.254	- 3	...	...	...	53.004	- 1.016	- 4	...	...	...			
...	+ 29.062	- 35.467	- 3	...	...	†	+ 53.248	+ 25.000	- 4	...	...	...			
...	29.347	+ 38.984	- 5	...	...	...	53.343	- 1.029	- 5	...	...	...			
...	29.578	+ 53.302	- 3	...	...	...	53.607	- 20.973	- 4	...	...	...			
...	30.482	+ 8.775	- 2	...	...	...	53.902	+ 38.499	- 1	46.5837	9.8	...					
...	30.648	+ 18.313	- 5	...	...	...	54.098	- 20.637	- 2	...	...	...			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1-60																	
I	-59°25'1	+19°50'1	1°00	46.5835	9.8	61	-44°04'0	-12°90'2	0°80	...	...	121	-27°96'5	+42°01'4	-5	...	...
*	58°24'	-12°17'0	-3	...	...	...	43°29'	-5°36'0	-4	A	...	...	27°75'0	+7°55'6	-4	...	...
...	58°04'9	+1°85'2	-3	...	...	*	42°67'6	-41°98'0	1°60	47.5526	9.2	...	27°59'7	+17°83'8	-4	...	...
...	57°59'0	-27°72'3	-5	...	...	...	42°54'9	-20°82'3	0°90	47.5528	9.8	...	27°16'6	-9°54'5	-5	...	...
...	57°47'1	-39°31'5	1°00	...	...	*	42°50'5	-26°60'5	1°20	47.5527	9.3	*	27°10'8	-8°61'4	1°40	47.5534	9.0
...	56°91'8	-4°57'1	-4	...	...	...	-42°27'8	+16°24'1	0°90	...	...	...	-27°10'6	+27°28'0	-3	...	...
...	56°52'0	+59°16'6	-4	...	...	...	42°12'1	+30°14'9	-2	...	...	...	25°87'5	-11°12'2	0°70	...	...
*	56°36'9	-41°88'0	1°05	47.5521	9.8	...	41°35'4	+14°10'8	0°85	...	...	*	25°76'2	-57°83'6	1°40	47.5535	9.2
...	56°28'2	-51°81'3	-3	...	...	*	41°25'1	-5°93'4	1°90	46.5841	8.8	*	25°72'9	-42°33'1	1°00	47.5536	9.8
S*	56°28'0	+23°63'9	2°50	46.5836	8.0	*	41°08'2	-5°17'6	1°10	46.5842	9.5	...	25°24'5	-39°08'4	-3	...	...
II	-56°00'9	-44°49'7	2°00	47.5522	8.8	71	-40°96'6	-21°07'8	-4	A	...	*	-25°00'1	-3°27'8	1°00	46.5851	9.8
...	55°45'9	-37°49'5	-3	...	...	...	40°78'4	-5°43'0	-3	...	...	...	24°68'8	-27°04'7	-4	B	...
...	54°58'3	-44°71'6	-1	...	...	*	40°64'3	+36°78'3	1°00	46.5843	9.6	*	24°68'7	+30°44'3	1°00	46.5852	9.8
...	54°45'7	-35°07'2	-5	...	...	...	40°14'2	-7°23'4	-3	...	...	...	23°94'8	-59°78'1	0°70	...	...
...	54°01'4	+31°50'7	-5	...	...	†	40°09'1	-58°16'6	-3	...	...	*	23°51'1	+13°00'0	1°80	46.5853	8.8
...	-53°94'1	-19°06'7	0°75	...	...	†	-40°07'4	-35°61'6	0°75	...	...	...	-22°86'3	-51°50'3	0°75	...	...
...	53°59'5	-11°21'1	0°80	...	...	...	39°59'7	-17°96'9	-1	...	...	...	22°73'0	+53°73'7	-5	...	...
...	52°87'4	+20°83'8	-5	M	...	...	39°58'4	-20°53'9	0°90	47.5529	9.8	...	22°53'9	-44°90'0	-3	...	...
S*	52°61'0	-45°73'6	2°40	47.5523	8.4	...	39°10'5	-37°40'2	-3	A	...	...	21°46'8	-47°88'0	0°90	...	...
*	52°43'3	-40°58'6	1°80	47.5524	9.0	...	39°09'5	-17°05'0	-3	...	...	...	21°13'5	-28°58'2	0°90	...	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-51°90'8	-12°25'5	0°70	...	...	...	-38°73'7	-39°03'1	-2	...	...	...	-21°02'2	+54°31'1	1°00	45.5932	9.8
...	51°66'6	-32°72'2	-3	...	...	...	38°66'5	-9°30'3	-5	...	...	†	20°56'9	-5°14'2	0°95	46.5854	9.8
...	51°66'0	+56°53'2	1°15	45.5921	9.8	...	37°98'3	+56°29'5	-5	...	...	...	20°29'6	-47°38'8	0°90	...	...
...	51°63'0	+30°59'3	-4	...	...	...	37°12'6	+25°29'5	-3	...	...	...	20°21'8	+49°86'0	-2	...	...
...	50°62'3	+36°12'4	-5	...	...	...	36°99'9	-42°81'7	-5	M	...	...	19°06'1	-20°81'0	-3	...	...
...	-50°59'2	-43°23'2	-4	...	...	...	-36°71'0	+40°15'8	0°75	...	...	*	-19°01'2	-22°19'6	1°00	47.5538	9.8
...	50°56'1	-28°95'7	-5	M	...	*	36°23'5	+52°27'7	1°10	45.5928	9.6	...	18°87'5	-30°74'5	0°70	...	...
...	50°53'5	+4°12'0	0°90	...	...	...	35°53'6	+25°28'5	0°90	46.5844	9.8	...	18°32'9	+31°16'7	-4	...	...
...	50°34'1	+45°55'6	-5	...	...	8*	35°27'8	+9°25'5	2°10	46.5845	8.8	*	18°24'8	+20°88'5	1°05	46.5855	9.5
...	50°31'2	+21°73'1	-2	...	...	S†	35°21'1	-2°47'4	2°00	46.5846	8.7	...	17°85'0	+56°64'9	-4	...	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-50°10'7	+18°36'8	-4	...	...	...	-34°91'0	-14°29'3	-3	...	...	...	-17°43'9	-47°07'5	0°90	...	...
...	49°89'5	+25°04'5	-2	...	...	...	34°66'3	-48°61'4	-3	...	...	...	17°25'5	-49°29'5	-3	...	...
...	49°67'7	+38°58'4	0°90	46.5837	9.8	*	34°01'6	-28°76'6	1°50	47.5530	9.0	...	17°21'9	+40°52'2	-2	...	...
...	49°30'3	-0°94'2	-4	...	...	...	33°73'0	-49°81'7	-1	...	...	*	16°94'8	+23°53'3	1°15	46.5856	9.4
...	49°18'6	+52°79'8	-4	...	...	*	33°27'3	-23°10'8	1°20	47.5531	9.4	...	16°74'3	-37°11'0	-1	...	...
...	-48°96'6	-0°94'2	-4	...	...	...	-33°04'7	+20°62'7	-3	...	...	...	-16°59'9	+1°24'4	-3	...	...
...	48°81'3	+27°25'1	0°75	...	...	...	32°85'1	+27°31'6	0°65	...	...	*	16°53'4	+30°33'1	1°20	46.5857	9.3
...	48°41'6	-36°77'6	-4	A	...	...	32°40'3	-42°67'0	-4	...	...	...	15°82'7	+31°92'1	1°05	46.5858	9.6
...	48°09'7	-6°14'7	-5	M	...	*	32°18'0	+43°63'7	1°80	46.5847	9.2	...	15°75'3	-32°06'0	0°65	...	...
...	48°07'3	+41°26'4	0°95	46.5838	9.8	...	32°02'1	-5°22'2	0°90	...	...	...	15°69'4	+9°23'7	-3	...	...
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-48°06'6	-34°22'2	-5	M	...	...	-31°95'6	+53°97'2	-4	...	...	...	-14°84'8	+4°54'5	0°90	46.5859	9.8
...	48°05'7	-20°88'0	-3	...	...	...	31°90'3	-26°03'4	0°85	...	...	*	14°79'4	-19°26'4	1°10	47.5539	9.6
...	47°97'5	-0°51'5	-2	...	...	...	31°43'5	+30°19'9	0°65	...	...	...	14°76'3	-21°82'3	-2	...	...
†	47°72'6	+39°74'8	1°40	46.5839	9.2	...	31°30'9	-15°44'0	-3	...	...	*	14°49'4	-43°36'8	1°00	47.5541	9.6
†	47°65'1	-10°03'3	-1	...	...	...	30°93'3	-10°54'6	-3	...	...	...	14°02'3	-24°49'4	-4	...	...
...	-47°58'9	-20°52'7	0°65	...	...	...	-30°80'8	+56°87'3	-1	...	...	...	-13°90'2	-9°51'6	-4	...	...
*	46°73'9	+22°65'1	1°05	46.5840	9.8	...	30°52'0	-45°89'0	-5	M	...	...	13°49'8	-52°50'4	-1	...	...
...	46°49'8	+54°09'4	-4	...	...	...	30°29'7	-6°62'0	-1	...	...	...	13°40'7	-41°14'5	-5	...	...
...	46°18'0	+38°36'2	-5	...	...	...	30°18'6	-53°74'6	-4	A	...	...	13°04'9	-47°27'9	-4	...	...
...	46°15'8	-3°41'1	-3	...	...	†	30°07'4	+46°68'3	1°20	46.5848	9.2	*	12°91'9	+33°68'4	1°10	46.5860	9.4
51	...	...	...	...	...	III	...	...	...	...	...	171	...	...	...	...	...
...	-46°06'9	+3°42'1	0°95	...	...	*	-29°95'4	-17°78'9	1°40	47.5532	9.3	...	-12°80'3	+19°06'6	-5	...	...
*	46°06'7	-22°82'0	1°00	47.5525	9.8	α*	29°58'9	-0°21'7	0°95	46.5849	9.8	...	12°71'9	-59°18'8	-3	...	...
...	45°95'8	-29°48'7	-3	...	...	S*	29°01'6	+45°12'7	1°80	46.5850	8.8	...	12°35'8	-17°86'9	-3	...	...
...	45°58'7	-10°95'6	0°95	...	...	*	28°97'6	-34°45'8	2°00	47.5533	8.9	...	11°92'4	-1°21'1	0°90	46.5861	9.8
...	45°50'4	+34°47'9	0°75	...	...	...	28°81'7	-42°44'9	-1	...	...	...	11°81'8	+30°27'9	-4	...	...
...	-45°43'3	+2°42'6	0°95	...	...	...	-28°67'1	-55°97'5	-1	...	...	...	-11°80'9	-7°23'0	-4	...	...
...	45°15'0	+10°31'8	-3	...	...	...	28°53'0	+42°23'8	0°80	...	...	...	11°62'2	+55°11'4	-3	...	...
...	44°95'9	-50°63'5	-3	...	...	...	28°22'5	+14°01'1	-5	...	...	*	10°64'8	+39°53'8	1°50	46.5862	9.2
...	44°28'1	-53°48'2	-3	...	...	...	27°99'7	-9°43'0	-3	...	...	...	10°02'8	-29°00'9	-3	...	...
...	44°06'1	-38°40'4	0°90	...	...	†	27°98'2	+49°77'4	-5	...	...	...	9°67'2	-37°88'8	-3	...	...

C measured from 1, 110, 213, 313.
MC , , 58, 161, 260, 372.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
181-240																	
181	- 9·193	- 26·423	- 3	o	...	241	+ 7·963	- 59·529	- 3	o	...	301	+ 26·621	- 25·464	- 1	o	...
*	9·116	+ 19·721	1·60	46·5863	9·2	*	8·001	+ 54·129	1·05	45·5946	9·8	...	26·655	- 6·790	- 5	...	...
...	9·113	+ 48·504	- 5	...	...	...	8·112	- 57·856	- 5	...	...	...	27·579	- 47·002	- 4	...	...
...	8·814	- 42·405	- 3	...	...	...	9·575	- 38·421	- 3	...	...	...	27·609	+ 30·273	3·00	46·5878	8·1
...	8·708	+ 13·437	- 5	...	...	...	10·754	+ 46·841	0·80	...	...	...	27·706	+ 9·615	- 2	...	...
...	- 8·600	+ 25·986	- 3	...	...	*	+ 10·883	- 8·413	1·50	47·5555	9·0	*	+ 28·067	+ 38·419	1·00	46·5879	9·6
*	8·293	+ 34·139	1·00	46·5864	9·4	...	11·051	- 3·368	- 3	...	...	...	28·536	+ 48·158	- 3	a	...
*	8·214	- 9·634	1·00	47·5543	9·8	...	11·224	- 43·881	- 3	...	...	...	28·581	- 48·729	- 1	...	...
...	7·569	+ 32·905	0·90	46·5865	9·8	...	11·444	+ 55·595	0·70	...	...	...	28·713	+ 19·622	0·80	...	...
...	7·429	+ 16·575	0·85	46·5866	9·8	...	11·716	+ 30·852	1·00	46·5872	9·8	...	28·840	- 4·435	0·80	...	...
191	- 6·478	- 18·636	- 5	m	...	251	+ 11·784	- 38·736	- 5	...	...	311	+ 29·034	- 37·086	0·95	47·5564	9·8
...	6·140	- 20·278	- 3	...	...	†	11·805	+ 34·758	- 4	...	...	...	29·129	+ 45·613	1·90	46·5880	8·7
...	6·140	- 21·658	- 4	...	...	...	12·080	- 21·004	- 4	...	...	...	29·735	- 29·843	1·50	47·5565	8·8
...	6·050	- 47·558	- 5	M	...	...	12·650	+ 17·826	- 5	m	...	...	29·991	- 19·328	- 1	...	...
...	5·820	- 18·481	0·85	47·5544	9·8	...	13·326	+ 6·733	- 3	...	...	...	30·052	- 40·646	- 3	...	...
*	5·802	- 18·785	0·95	47·5545	9·6	...	+ 13·346	- 35·708	- 4	...	...	...	+ 30·311	- 12·599	- 1	...	...
*	5·717	- 52·135	1·00	47·5546	9·8	...	13·480	- 59·289	- 3	...	...	...	30·582	- 39·361	- 5	...	...
*	5·351	+ 26·900	- 5	M m	...	...	14·682	- 45·567	0·70	...	...	...	30·769	+ 14·775	0·80	...	...
*	3·949	- 10·538	1·50	47·5547	9·4	†	14·738	+ 45·216	- 3	...	...	...	31·051	- 1·634	- 3	...	...
...	3·804	- 51·101	0·70	...	...	...	14·803	- 31·942	- 1	...	...	...	31·090	+ 59·096	- 4	m	...
201	- 3·435	+ 1·076	- 4	m	...	261	* + 15·359	+ 50·567	1·80	46·5873	9·0	321	+ 31·145	- 6·282	- 5	...	...
...	3·403	- 3·886	- 1	...	...	*	16·022	- 3·055	1·00	46·5874	9·6	...	31·211	+ 43·769	1·00	46·5881	9·8
...	3·269	+ 16·066	- 4	m	...	...	16·663	- 13·644	- 2	...	...	...	31·470	+ 38·798	- 3	a	...
...	3·187	- 22·986	0·65	...	...	...	16·821	- 52·391	- 5	...	...	...	31·715	- 25·119	1·35	47·5566	9·3
...	2·290	- 23·533	0·80	47·5549	9·8	...	17·010	+ 39·124	- 5	m	...	...	31·827	- 31·405	- 4	...	...
...	- 2·206	- 16·537	0·75	...	...	...	+ 17·028	- 41·396	0·80	...	...	...	+ 31·878	- 43·979	- 3	...	...
*	2·172	+ 12·684	1·20	46·5867	9·5	...	17·392	+ 58·405	- 2	...	...	...	31·911	+ 1·290	- 3	...	...
*	1·364	+ 58·125	1·90	45·5941	8·8	...	17·424	- 27·678	0·85	47·5558	9·8	...	31·996	- 40·104	- 4	...	...
S *	1·244	- 47·323	1·60	47·5550	9·0	...	17·899	+ 38·904	- 5	m	...	*	32·499	+ 36·896	1·15	46·5882	9·5
...	0·607	- 58·266	- 2	...	...	...	18·161	- 24·814	0·90	47·5559	9·8	...	32·798	+ 42·794	1·00	...	...
211	- 0·415	- 23·117	- 1	...	...	271	+ 18·471	+ 25·086	- 1	...	...	331	+ 32·954	- 30·265	- 4	...	...
...	0·394	- 53·335	- 3	...	...	...	18·538	+ 58·008	- 3	...	...	*	33·015	- 55·240	1·30	47·5567	9·6
*	+ 0·143	+ 57·765	1·40	45·5943	9·2	...	19·004	- 48·986	- 3	...	...	...	33·230	- 29·938	- 5	...	...
...	0·145	- 2·470	1·00	46·5868	9·8	...	19·283	+ 0·225	- 4	f	...	...	33·334	+ 44·394	- 4	b	...
...	0·173	- 30·916	1·10	47·5551	9·6	...	20·057	+ 12·763	- 3	...	...	...	33·883	- 40·359	0·70	...	...
+	0·258	+ 1·154	- 3	...	...	...	+ 20·107	+ 1·289	- 2	...	...	...	+ 34·269	+ 19·045	- 3	...	...
...	0·407	- 32·488	- 3	...	...	...	20·110	- 46·290	- 3	...	...	...	34·671	- 27·278	- 5	...	...
...	0·577	+ 3·105	- 1	...	...	...	20·121	+ 26·990	- 5	m	...	*	35·087	+ 54·634	1·40	45·5961	9·2
*	0·867	+ 58·903	1·20	45·5944	9·5	S *	20·327	- 8·536	2·70	47·5560	8·4	...	35·259	+ 20·516	- 3	...	...
...	1·239	- 47·580	- 2	...	...	...	20·691	+ 44·070	0·95	46·5875	9·8	...	35·918	+ 8·728	0·75	...	...
221	+ 1·561	- 40·426	0·90	...	...	281	+ 20·951	- 53·309	- 5	...	...	341	+ 36·219	+ 46·918	- 4	...	...
*	2·050	- 24·809	1·10	47·5552	9·4	S *	21·080	- 52·929	1·65	47·5561	9·0	*	36·261	- 37·563	1·10	47·5569	9·4
*	2·205	- 56·890	- 5	...	...	...	21·394	- 17·161	0·70	...	...	...	37·324	+ 11·086	0·75	...	...
*	2·273	- 2·625	2·50	46·5869	8·5	...	21·618	- 55·160	- 1	...	...	...	37·699	- 39·115	1·00	47·5572	9·8
...	2·419	+ 24·940	- 5	m	...	...	21·656	- 46·035	- 4	...	...	...	37·720	- 40·072	0·90	47·5571	9·8
+	2·929	+ 58·528	- 5	m	...	...	+ 21·919	+ 31·492	- 1	...	...	...	+ 37·839	+ 1·963	- 4	m	...
...	2·953	+ 53·830	1·00	...	...	...	22·087	- 28·963	- 4	...	...	...	37·924	- 14·241	1·20	47·5570	9·6
...	3·249	- 2·074	0·70	...	...	*	22·501	+ 43·775	1·00	46·5876	9·6	*	38·909	+ 34·414	1·00	46·5883	9·8
*	3·273	- 10·792	1·35	47·5553	9·3	†	22·879	+ 59·712	- 5	m	...	...	39·371	+ 6·771	- 2	...	...
...	3·745	- 52·795	- 4	...	...	...	22·903	+ 14·753	- 1	...	...	...	39·949	+ 6·739	1·05	46·5884	9·8
231	+ 4·020	- 7·706	1·00	46·5870	9·8	291	+ 23·747	- 8·546	- 2	...	...	351	+ 40·285	- 7·517	1·80	46·5886	9·0
S †	4·824	+ 45·776	2·20	46·5871	8·6	...	23·822	- 13·354	- 4	...	...	S *	40·333	+ 25·150	2·20	46·5885	8·6
...	4·885	- 52·696	- 4	...	...	...	24·302	+ 3·314	- 4	b	...	...	40·613	- 18·492	- 5	...	...
...	5·554	- 32·232	0·65	...	...	*	24·710	+ 54·600	- 1	...	...	...	40·618	- 18·318	- 5	...	...
...	6·183	- 58·508	- 3	...	...	...	24·856	- 51·492	- 2	...	...	...	40·759	+ 57·294	- 3	...	...
+	6·741	- 49·176	- 5	...	...	*	+ 24·896	- 1·892	1·90	46·5877	8·8	...	+ 40·855	- 28·146	1·00	...	...
...	7·034	- 33·500	- 3	...	...	...	24·924	- 30·608	- 5	...	...	...	41·411	+ 48·339	- 5	m	...
...	7·708	- 27·660	- 4	...	...	*	25·398	- 46·804	1·00	47·5562	9·5	...	41·555	- 15·261	- 4	...	...
...	7·713	- 25·426	- 3	...	...	...	25·858	- 14·318	- 5	...	...	*	41·669	+ 36·787	1·10	46·5887	9·6
...	7·911	+ 47·277	- 5	m	...	...	26·401	+ 28·331	- 1	...	...	...	41·723	- 19·885	0·80	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
361-390																		
36I	+41°749	+58°950	-4	b	...	39I	+50°683	-18°079	0°95	47°5577	9°8	42I	* +57°942	+36°820	1°10	46°5896	9°6	
...	42°013	-32°287	0°65	...	...	...	51°020	+0°535	-2	...	...	...	58°192	+57°751	-2	...	...
...	42°452	-28°151	1°00	47.5573	9°8	...	51°041	+21°477	0°70	46.5894	9°8	...	58°382	+15°264	0°90	46.5897	9°8	
...	42°524	+1°160	1°00	46.5888	9°8	...	51°403	-40°309	-4	...	...	...	58°495	-25°032	0°85	...	...
...	42°572	+8°119	0°70	...	...	...	51°469	+28°622	0°65	...	...	...	58°551	-39°213	-2	...	...
...	+42°838	-43°233	0°70	...	...	...	+51°874	-55°355	1°00	47.5578	9°8	...	+58°638	+45°495	-4	...	...
*	43°795	-28°031	1°00	47.5574	9°6	...	52°026	+41°486	-2	...	...	...	58°961	+12°119	-2	...	...
...	43°939	+9°359	0°90	46.5889	9°6	...	52°329	-55°205	-2	...	...	...	58°989	+27°761	0°90	...	...
...	44°210	+9°335	1°00	46.5889	9°6	...	52°344	-6°238	-5	*	59°201	-51°829	1°30	47.5582	9°6
*	44°365	-2°148	1°40	46.5890	9°2	...	52°474	-23°954	-1	59°319	+18°502	-4	m	...
37I	+44°517	-54°311	-3	...	...	40I	+52°698	+58°915	-4	b	...						
...	44°796	+30°098	-4	m	...	...	52°849	-47°745	-5	...	...					
*	44°868	-49°841	0°95	47.5575	9°8	...	53°141	+17°927	0°65	...	...					
...	45°133	-56°130	1°20	47.5576	9°8	...	53°862	-28°936	0°75	...	...					
...	45°445	-44°885	-5	...	...	...	54°010	+42°703	-3	b	...						
*	+45°733	-8°127	1°20	46.5891	9°5	*	+54°023	+5°600	1°00	46.5895	9°5							
...	45°932	+57°951	-4	...	...	...	54°044	+56°987	-1	...	...					
N	46°187	-25°615	-1	...	...	...	54°169	+58°246	-3	...	...					
*	46°286	+15°515	1°20	46.5892	9°3	*	54°517	-20°192	0°95	47.5579	9°8							
...	46°591	+15°485	-1	...	...	...	54°557	-56°957	-4	...	...					
38I	+47°117	+22°010	0°65	...	...	41I	+54°881	-51°463	-3	...	...					
...	47°405	+42°745	0°80	...	...	...	55°127	-37°575	-3	...	...					
*	47°728	+39°641	1°00	46.5893	9°6	...	55°194	+1°706	-5	m	...							
...	48°181	+18°003	-3	...	...	...	55°567	+44°677	-5	m	...						
...	48°418	+7°355	0°75	...	...	...	55°941	-27°752	-5	...	...					
...	+48°613	-32°581	0°75	...	...	...	+55°968	+56°675	-3	...	...					
...	48°746	+34°096	0°90	...	...	*	56°680	-55°168	2°30	47.5580	8°8						
...	48°760	-27°476	-4	...	...	...	56°714	-49°114	-1	...	...					
...	49°096	-27°991	-4	...	...	...	56°866	-10°520	-5	...	...					
...	49°241	+52°188	-4	a	...	...	57°786	-30°874	0°85	47.5581	9°8						

378. Var.

1-20					21-40					41-60							
I	-59°832	+0°884	0°95	46°5888	9°8	2I	-51°981	+21°465	-2	46°5894	9°8	4I	-43°866	-54°966	2°50	47°5580	8°8
...	59°277	-32°570	-5	...	...	...	51°767	+28°625	-4	...	...	...	43°759	+12°365	-4	...	...
...	58°973	-28°425	0°80	47.5573	9°8	...	51°625	+41°494	-4	...	...	S *	43°730	+43°035	2°20	46.5898	8°6
...	58°685	+9°120	0°70	46.5889	9°6	...	51°327	+0°532	-4	...	...	...	43°572	-30°642	0°80	47.5581	9°8
...	58°413	+9°109	1°00	46.5892	9°6	...	51°064	-18°098	0°95	47.5577	9°8	...	43°265	+51°987	1°00	45.5976	9°6
...	-58°109	-43°493	-5	...	...	...	-50°103	+57°060	-3	...	...	†	-43°029	-24°780	0°85	...	...
*	57°878	-2°360	1°40	46.5890	9°2	...	50°033	+58°317	-5	...	...	...	42°891	+31°100	-1	46.5899	9°8
...	57°634	-28°258	0°95	47.5574	9°6	...	49°760	+17°984	-4	...	...	...	42°526	-38°935	-5	...	...
*	56°521	+15°360	1°10	46.5892	9°3	...	49°086	-23°894	-4	...	...	*	41°456	-51°559	1°30	47.5582	9°6
...	56°328	-8°303	1°00	46.5891	9°5	...	48°680	-55°311	0°70	47.5578	9°8	...	40°913	-52°191	-3	...	...
II	-56°285	+42°617	-3	...	...	3I	-48°492	+5°684	1°05	46.5895	9°5	5I	-40°910	+33°179	-4	A	...
...	56°225	+15°335	-3	...	...	...	48°225	-55°127	-5	...	...	...	40°796	-3°831	-3	...	...
...	55°906	+21°872	-3	...	...	...	48°183	+56°798	-5	...	...	...	40°742	+43°958	-4	A	...
...	55°853	-50°014	-1	47.5575	9°8	...	47°547	-28°841	-3	...	...	...	40°294	+13°593	-4	...	...
...	55°851	+39°504	0°95	46.5893	9°6	...	47°165	-20°076	0°90	47.5579	9°8	...	40°092	-7°551	-4	...	...
...	-55°375	-56°301	1°00	47.5576	9°8	...	-45°997	+57°956	-3	...	...	...	-39°394	-42°145	-2	...	...
...	54°729	+17°894	-5	...	...	...	45°557	+37°024	1°00	46.5896	9°6	...	38°793	-42°665	-3	...	...
...	54°683	+34°007	0°70	...	...	...	44°442	+15°495	-1	46.5897	9°8	...	38°283	-22°417	0°90	47.5583	9°8
...	54°156	+7°266	-2	...	...	...	44°230	+28°011	0°75	...	...	S *	36°739	-42°469	2°50	47.5584	8°6
...	52°666	-32°642	-2	...	...	...	44°047	-48°905	-4	...	...	...	36°279	-31°365	-2	...	...

Images diffused; faint stars difficult to measure.
C measured from I, 78, 147, 227.
MC .. " .. 38, 121, 187, 269.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
61-120																	
61	-35·905	+56·035	-1	45·5981	9·8	121	-14·357	+36·228	1·40	46·5908	9·2	181	+12·300	+33·022	-2	46·5927	9·8
...	35·180	+55·101	-1	45·5982	9·8	...	12·837	-6·320	-3	...	...	...	13·059	+23·132	-4	...	...
...	34·852	-40·764	-2	...	...	...	12·768	+52·356	-4	...	...	...	13·199	+21·130	-2	...	...
...	34·581	-7·409	-2	...	...	...	12·424	+40·516	-2	...	...	...	13·652	+45·944	-4	...	...
...	33·369	+34·302	-1	...	...	...	12·027	+53·886	-4	...	...	...	14·130	+31·729	-3	46·5928	9·8
...	-32·971	+20·414	-3	...	...	...	-11·517	-31·399	-4	...	...	S *	+14·283	-3·468	2·95	46·5929	8·4
*	32·692	+39·613	1·40	46·5900	9·4	...	11·471	-56·293	-3	...	...	...	15·844	+34·668	1·00	46·5930	9·6
...	32·537	+42·255	-5	B	...	...	11·389	+32·356	-4	...	...	...	16·520	+53·943	0·85	45·6004	9·8
*	32·304	-51·296	1·30	47·5585	9·5	...	11·286	+41·231	-2	46·5909	9·8	...	16·905	-56·790	-5	...	...
...	31·877	+47·844	-2	...	...	...	10·929	+7·023	-5	...	...	...	16·988	-15·731	-5	...	...
71	-31·752	+52·891	1·40	45·5984	9·3	131	-9·921	-59·485	-1	47·5600	9·5	191	+16·988	-39·174	-1	...	...
...	31·599	-19·801	1·40	47·5586	9·3	...	9·902	-59·407	0·85	...	...	...	17·305	+11·051	0·80	46·5931	9·6
...	31·537	-52·075	-3	...	...	...	9·702	-16·295	-5	...	...	...	17·371	-31·965	-3	...	...
*	31·257	+35·658	1·50	46·5901	9·2	...	8·847	-54·631	-3	...	...	...	17·471	-19·298	-3	...	...
...	30·924	-38·662	-4	...	...	...	8·587	-16·996	-4	...	...	...	17·834	+50·809	-5	...	...
...	-30·711	-20·904	0·90	47·5587	9·8	...	8·505	-57·594	-4	...	...	...	+18·073	+51·103	-5	...	...
...	30·257	+6·191	-1	46·5902	9·6	...	8·436	-0·915	1·50	46·5910	9·3	...	18·499	+25·416	-2	...	...
...	29·706	-33·637	-1	...	...	...	7·880	+48·536	-4	...	...	...	19·305	-24·627	-5	...	...
...	29·343	-16·277	-3	...	...	...	6·266	-44·559	-3	...	...	...	19·579	-28·861	-4	...	...
...	29·172	-16·456	-3	...	...	*	4·805	-25·443	1·90	47·5601	8·8	*	19·726	-10·521	1·30	47·5612	9·3
81	-27·892	-9·125	-3	...	...	141	-4·737	+21·954	-4	...	...	201	+20·049	+33·101	-4	...	...
S +	27·804	-59·556	6·60	47·5588	5·3	...	2·786	-7·530	-3	46·5911	9·8	...	20·452	-11·122	-1	47·5613	9·8
...	27·317	-29·325	-2	...	...	*	2·512	-26·560	1·40	47·5602	9·2	...	20·455	-25·983	-2	47·5614	9·8
...	27·274	-33·508	-5	...	...	...	2·043	+27·498	0·90	46·5912	9·8	...	20·480	-24·929	-3	...	...
...	25·879	-32·718	-3	...	...	*	1·326	+58·249	1·00	45·5995	9·5	*	20·538	+16·857	2·40	46·5932	8·5
...	-25·474	+45·848	-4	...	...	*	1·047	-22·453	1·40	47·5603	9·3	...	+20·685	-36·427	1·00	...	...
*	25·181	+34·521	1·20	46·5904	9·4	†	-0·092	-4·502	-3	...	...	...	21·108	+3·499	-3	...	...
†	24·982	+12·403	0·90	46·5903	9·5	...	+0·102	-37·691	-1	...	...	...	21·288	+4·560	-3	...	...
...	24·694	-54·431	-1	47·5590	9·8	*	0·151	-33·382	2·00	47·5604	8·7	...	21·832	+12·302	-3	46·5933	9·8
*	24·470	-37·565	1·20	47·5591	9·4	...	0·369	+1·500	0·65	46·5913	9·8	...	22·131	+12·147	-1	46·5934	9·8
91	-24·339	-58·185	-5	...	...	151	+0·564	-36·678	0·75	47·5605	9·8	...	+22·204	-55·332	-5	...	...
...	23·986	-36·178	0·90	47·5592	9·8	...	0·953	+26·025	-5	...	...	*	22·238	-2·799	1·80	46·5935	8·8
...	23·050	+43·970	-5	...	...	...	1·000	-35·485	0·85	47·5606	9·6	*	23·086	-22·790	2·10	47·5615	8·6
S *	22·810	+26·015	3·00	46·5905	8·1	...	1·233	-22·464	-2	47·5607	9·8	...	23·362	-54·362	-5	...	...
...	22·441	+59·215	-5	...	...	†	2·181	-29·794	1·25	47·5609	9·2	...	24·086	-13·108	-5	...	...
...	-22·409	-11·994	-3	...	...	...	+2·233	+23·827	1·10	46·5914	9·5	...	+24·549	+10·374	-4	...	...
...	22·159	+33·556	0·80	46·5906	9·8	*	2·405	-0·730	1·15	46·5915	9·5	...	26·300	+32·300	0·90	46·5936	9·8
*	21·523	+52·850	1·50	45·5986	9·0	...	3·146	+50·432	-5	...	...	...	26·342	-54·127	-3	...	...
...	21·179	+52·762	-5	...	...	...	3·471	+45·252	-4	...	...	*	27·080	+5·791	1·60	46·5937	9·2
*	20·451	+15·926	1·15	46·5907	9·2	...	3·832	+22·479	-5	...	...	...	27·164	+45·581	-3	...	...
101	-20·438	+48·010	-4	...	...	161	+3·912	-38·303	0·65	...	...	221	+27·859	-0·996	-2	...	...
...	20·253	-23·468	-4	...	...	...	4·686	-2·192	1·05	46·5916	9·5	...	27·896	+9·796	-5	...	...
S +	19·998	-23·630	3·50	47·5595	7·6	...	5·059	-41·824	0·65	47·5610	9·8	*	27·995	-0·667	1·30	46·5938	9·4
...	19·931	+19·906	-5	...	...	*	5·182	+50·472	1·20	46·5917	9·3	*	28·799	-40·442	1·70	47·5616	9·0
...	19·634	-46·195	1·00	47·5596	9·8	...	5·567	+7·647	0·95	46·5918	9·6	...	28·845	+48·962	-3	...	...
...	-19·579	-56·087	-2	...	...	†	+6·365	+59·842	1·30	45·6000	9·2	S *	+29·688	-53·670	1·80	47·5617	9·0
...	19·342	-18·339	-3	...	...	...	6·426	+33·355	-3	46·5919	9·8	...	30·093	+16·894	0·70	46·5939	9·8
...	19·198	+12·245	-5	...	...	*	7·070	-6·362	1·40	46·5920	9·0	*	30·360	-8·861	1·40	47·5618	9·2
...	18·911	-47·817	0·85	47·5597	9·8	†	7·974	+20·008	-4	...	...	...	30·371	-6·719	0·90	46·5941	9·8
...	18·601	+17·572	-5	...	...	S *	8·147	+46·019	2·00	46·5921	8·8	...	30·458	-39·194	1·00	47·5619	9·8
111	-18·374	-45·238	-5	...	...	171	+8·198	-41·825	-4	...	...	231	+30·572	+19·177	1·00	46·5940	9·6
...	18·365	-17·535	1·05	47·5598	9·6	...	8·284	-46·599	-5	...	...	...	31·028	-52·684	-5	...	...
...	17·371	-12·929	-5	...	...	...	8·335	+48·067	0·65	46·5922	9·8	...	31·046	+40·618	0·90	46·5942	9·5
...	17·293	+48·111	-4	...	...	†	9·872	-4·470	2·00	46·5923	8·8	...	31·573	+35·979	-5	...	...
...	17·022	-34·256	-5	...	...	...	10·406	+0·354	-3	α	...	...	31·929	+26·793	-3	...	...
...	-16·980	+26·652	-3	...	...	*	+10·455	+50·643	1·10	46·5924	9·6	*	+31·931	+36·661	1·20	46·5943	9·3
...	16·468	+56·907	-5	...	...	...	11·060	+23·640	0·75	46·5925	9·8	...	32·108	-10·003	0·90	47·5620	9·8
S *	16·367	-54·451	2·00	47·5599	8·8	...	11·797	-36·500	-5	...	...	...	33·023	+20·520	0·70	46·5944	9·8
...	15·548	-21·316	-4	...	...	S *	12·037	+26·584	2·00	46·5926	8·8	...	33·673	+27·889	1·05	46·5945	9·8
...	15·288	-58·992	-4	...	...	...	12·069	-55·315	1·10	47·5611	9·3	...	33·933	-32·494	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-5.	No.		x.	y.		-5.	No.		x.	y.	-5.	No.	Mag.	
241-270																		
24I	+34°355	-1°403	0°75	46.5947	9°8	27I	+45°426	-7°839	-5	30I	+54°951	-30°547	1°20	47.5641	9°3
*	34°364	+17°886	1°15	46.5946	9°3	*	45°527	+12°509	1°20	46.5952	9°4	...	*	55°197	+57°651	1°50	45.6026	9°2
...	34°433	+46°532	-4	45°741	-26°474	-5	55°204	-17°431	-2
...	34°584	-38°151	1°00	47.5622	9°6	...	45°756	-28°445	-5	*	55°848	+37°985	1°10	46.5963	9°6
*	34°586	-21°878	1°20	47.5621	9°4	...	45°762	+33°111	1°00	46.5953	9°6	56°118	+44°134	-3
...	+35°338	+30°458	0°65	+45°810	+28°923	-5	+56°466	+3°491	0°90	46.5964	9°5
...	35°591	+32°427	0°95	46.5948	9°4	...	45°894	-29°621	0°95	47.5631	9°8	56°736	-45°920	1°30	47.5642	9°4
...	35°682	-53°184	0°80	47.5623	9°8	*	46°410	-10°443	1°20	47.5632	9°3	56°868	+37°261	-3
...	37°153	-46°389	-3	*	47°097	-48°127	1°70	47.5634	9°2	57°185	+55°307	-5
...	37°508	-30°019	-4	*	47°499	+15°711	1°30	46.5955	9°3	57°321	-44°702	-1
25I	+37°630	+12°980	2°00	46.5949	8°8	28I	+47°541	+10°994	-4	31I	+57°888	-42°543	-5
S*	37°814	-1°824	-5	*	47°541	-1°182	1°20	46.5956	9°4	...	*	57°999	+36°252	1°80	46.5965	8°9
...	38°042	-10°569	-5	*	47°600	-31°305	1°40	47.5635	9°3	59°289	+46°977	-5
...	38°708	-18°145	-5	...	...	...	47°727	+4°802	-2	46.5957	9°8	...	...	...	...	...	...
...	39°993	+32°364	-5	...	...	...	48°136	-54°720	1°70	47.5636	9°2	...	...	...	...	...	...
*	+40°701	-17°150	1°05	47.5624	9°3	†	+48°404	-29°819	-3	...	...	...	...	...	...	...	...
...	40°943	+11°020	-1	...	...	*	48°418	+12°513	1°05	46.5959	9°6	...	...	...	...	...	...
...	41°135	+18°802	-5	...	...	S*	48°556	+36°410	2°30	46.5958	8°4	...	...	...	...	...	...
*	41°444	-44°650	2°40	47.5626	8°4	*	48°669	-37°779	3°20	47.5637	7°6	...	...	...	...	...	...
...	41°562	-20°003	1°05	47.5625	9°8	...	48°801	-29°966	-3	...	...	...	...	...	...	...	...
26I	+41°642	+30°155	-5	...	...	29I	+50°994	-12°773	-5	...	...	...	...	...	...	...	...
*	42°147	-41°027	1°40	47.5627	9°3	...	51°662	-16°931	-1	...	...	...	...	...	...	...	...
...	42°321	+20°607	0°75	46.5950	9°8	S*	52°008	-46°299	2°70	47.5639	8°3	...	...	...	...	...	...
†	43°728	+59°856	1°25	45.6018	9°2	...	52°183	+35°297	1°00	46.5960	9°3	...	...	...	...	...	...
...	44°022	+0°879	1°00	46.5951	9°6	...	52°607	+21°820	-3	...	...	...	...	...	...	...	...
...	+44°678	+42°781	-5	...	...	*	+52°771	+9°708	1°20	46.5961	9°4	...	...	...	...	...	...
†	44°761	-25°640	0°70	47.5628	9°8	...	52°841	+23°287	-2	...	...	...	...	...	...	...	...
†	44°769	-9°946	0°90	47.5629	9°6	...	53°068	+21°748	-4	...	...	...	...	...	...	...	...
...	45°044	-26°203	-1	47.5630	9°8	...	53°351	+15°729	0°80	46.5962	9°8	...	...	...	...	...	...
*	45°358	-5°821	1°10	46.5954	9°5	*	53°486	-36°814	1°30	47.5640	9°5	...	...	...	...	...	...

1-20						21-40						41-60						
I	,	,	,	,	,	2I	,	,	,	,	,	4I	,	,	,	,	,	
†	-59°449	-44°943	2°10	47.5626	8°4	*	-55°381	-6°167	-4	...	...	...	-51°137	+13°813	-4	...	...
...	59°358	+7°207	-4	...	...	*	55°330	+15°576	1°15	46.5955	9°3	...	50°930	-12°766	-4	...	...
...	59°005	+42°557	-2	...	...	...	55°235	+39°526	-5	...	...	...	50°420	+21°848	0°70	...	...
*	58°863	-41°302	1°40	47.5627	9°3	...	55°136	+10°879	0°65	...	...	...	50°238	+23°328	0°75	...	...
...	58°762	+56°970	-5	...	...	S*	54°924	+36°301	2°00	46.5958	8°4	...	50°134	-16°911	0°90	...	...
*	58°325	+0°643	1°10	46.5951	9°6	...	-54°766	+4°680	0°70	46.5957	9°8	...	-49°958	+21°788	0°70	...	...
*	57°617	+32°923	1°10	46.5953	9°6	*	54°754	-1°300	1°20	46.5956	9°4	...	49°867	+9°748	1°05	46.5961	9°4	
...	57°441	+28°743	-4	...	...	...	54°646	+7°901	-4	...	...	...	49°481	+15°785	0°90	46.5962	9°8
*	57°246	-10°149	1°10	47.5629	9°6	*	54°317	+12°414	1°05	46.5959	9°6	*	48°962	+57°759	1°30	45.6026	9°2	
*	57°197	+12°320	1°20	46.5952	9°4	*	53°730	-31°410	1°20	47.5635	9°3	...	48°917	+4°193	-4	...	...
II	-57°001	+36°326	-4	3I	-53°709	-48°247	1°35	47.5634	9°2	...	51°	-48°837	-46°240	2°00	47.5639	8°3
*	56°780	-6°016	1°10	46.5954	9°5	†	52°983	-29°905	-2	...	...	...	48°373	+17°878	-4	...	...
...	56°744	-25°834	0°90	47.5628	9°8	...	52°575	-30°034	0°90	...	...	...	48°372	+16°207	-3	...	...
...	56°663	-8°030	-2	...	...	...	52°488	+42°179	-5	...	...	...	48°336	-3°883	-4	...	...
*	56°497	+29°037	-5	...	...	+	52°441	-54°802	1°40	47.5636	9°2	...	48°001	+7°504	-5	A	...
*	-56°441	-26°398	1°00	47.5630	9°8	*	-52°439	-37°843	3°00	47.5637	7°6	*	-47°695	+38°110	1°10	46.5963	9°6	
...	55°747	-26°647	-1	...	...	...	52°304	-58°304	-3	...	...	...	47°673	-36°726	1°05	47.5640	9°5
...	55°674	-28°611	-1	...	...	...	51°675	+4°527	-4	...	...	...	47°620	+44°263	0°75	...	...
*	55°591	-10°596	1°20	47.5632	9°3	...	51°461	+48°773	-4	...	...	...	46°899	+55°451	-4	...	...
*	55°490	-29°771	1°05	47.5631	9°8	*	51°272	+35°310	1°15	46.5960	9°3	...	46°643	+37°415	0°90	...	...

C measured from 1, 123, 231, 354.
MC " " 67, 184, 300, 414.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.		
61-120																			
61	-46·580	-17·299	0·75	o	...	...	...	-30·380	+43·061	-4	o	...	181	-15·486	+43·090	-5	o	...
...	46·500	+21·569	-5	†	30·154	-7·966	0·90	46·5974	9·8	...	†	15·453	+24·904	0·65
*	46·413	-30·421	1·15	47·5641	9·3	29·261	-35·519	0·80	47·5651	9·8	...	†	15·220	-44·519	-5	A	...
*	45·982	+3·650	1·00	46·5964	9·5	...	...	29·220	+27·633	-2	...	...	S*	14·903	+56·394	1·80	45·6053	8·7
*	45·496	+36·452	1·40	46·5965	8·9	*	...	29·124	-30·267	1·00	47·5652	9·8	14·636	+33·705	-3
...	-45·314	+4·072	-4	...	...	...	...	-28·650	+22·252	-3	...	...	...	-14·594	+3·244	-5	...	...
...	44·747	+33·758	-4	...	...	...	...	28·491	-33·081	-3	...	...	...	14·191	-43·603	-2	...	...
...	44·556	+47·206	-3	...	...	...	...	28·438	+13·242	-2	...	...	...	13·478	+21·665	-5	...	...
*	44·141	-45·715	1·00	47·5642	9·4	...	...	28·412	+41·900	-3	...	...	...	12·904	+48·528	-5	...	...
*	44·102	+50·216	1·10	46·5966	9·2	†	...	28·279	+14·930	0·85	46·5975	9·8	12·497	-50·951	-4
71	-43·600	-44·491	0·80	...	...	...	131	-28·188	+52·849	-5	...	...	191	-12·453	-9·841	-3	...	...
...	43·596	-48·275	-4	S*	27·966	-12·153	1·90	47·5653	8·6	12·281	+32·820	-5
...	43·335	+26·171	-3	...	...	...	...	27·316	-36·813	-3	...	...	...	11·863	-13·600	-2	...	...
...	43·091	-42·308	-3	27·196	+11·292	1·00	46·5976	9·8	*	...	11·825	+35·702	1·50	46·5981	9·0
...	43·035	+42·840	0·90	46·5968	9·8	*	...	26·981	-29·089	1·00	47·5656	9·9	*	...	11·221	-57·935	0·95	47·5665	9·6
*	-42·763	+52·374	1·20	45·6032	9·2	-26·978	-40·033	0·90	47·5655	10·0	-10·690	+58·921	-5
*	42·740	+7·109	1·10	46·5967	9·2	...	...	26·814	-9·019	-2	...	...	*	10·619	-45·711	1·40	47·5667	9·0
...	41·649	-18·969	-5	...	...	...	...	26·784	-50·521	-4	...	...	F	10·561	+0·109	0·70	46·5982	10·0
*	41·446	+59·695	1·20	45·6033	9·2	...	...	26·706	+40·528	0·65	...	...	*	10·505	+48·191	0·90	46·5983	9·9
*	40·480	-39·549	1·00	47·5644	9·5	...	...	26·242	+33·633	-5	...	...	...	9·414	-59·019	0·75	47·5670	10·2
81	-39·958	+56·349	0·65	...	...	...	141	-26·201	-15·026	-5	...	...	201	-8·775	-41·623	-4	...	...
S*	39·735	+15·752	2·00	46·5969	8·2	...	...	26·148	-37·927	-2	...	...	...	8·706	-31·840	-3	...	...
...	39·472	+21·600	-5	...	...	...	...	26·052	-28·657	-5	A	...	...	8·655	+13·003	0·80	46·5984	9·8
...	39·355	-37·947	-4	...	...	...	...	25·872	-6·414	-4	...	...	...	8·323	-19·845	0·90	47·5671	9·8
...	39·225	+30·325	-2	...	...	...	...	25·856	-55·811	-5	...	...	...	8·161	-56·385	-3	...	...
...	-37·960	+31·428	-3	-25·714	+23·102	0·90	46·5977	10·2	-8·160	-30·240	-5
...	37·802	-25·976	0·70	...	...	...	...	25·689	-13·228	-5	...	...	...	7·986	+55·796	-5	...	...
...	37·782	+44·055	-2	...	...	...	...	25·662	+32·430	-5	...	...	...	7·908	+22·756	-4	...	...
...	37·667	+11·917	-1	...	...	...	...	25·013	+18·189	-3	...	...	*	7·849	+37·194	0·95	46·5985	9·5
...	37·664	+0·912	0·70	...	...	...	...	24·954	+2·015	-3	...	...	*	6·989	+43·761	0·95	46·5986	9·6
91	-37·510	-26·754	0·95	47·5645	9·4	*	151	-24·652	+53·364	1·35	45·6046	9·2	...	211	-6·075	+31·128	-5
†	37·346	+49·907	-5	M	...	...	...	24·617	+35·784	-5	...	...	...	5·540	+39·020	-3	...	...
...	36·666	+39·155	-1	...	...	...	...	23·867	+25·821	-5	...	...	...	4·992	-40·434	-1	47·5673	10·2
...	36·637	-39·858	-5	...	...	...	...	23·675	+20·995	-4	...	...	...	4·436	-31·669	-4	...	...
...	36·064	+41·652	-2	...	...	...	...	23·652	+17·024	-2	...	...	...	4·309	+53·847	0·65	45·6062	10·2
...	-35·606	-23·572	-5	...	...	...	...	-22·963	-38·547	-3	...	...	...	3·984	-50·213	-3	...	...
...	34·821	+37·095	-1	22·592	-27·183	0·70	47·5659	10·2	3·898	-29·333	-3
*	34·675	-59·109	1·00	47·5646	9·6	*	...	22·519	-46·317	1·00	47·5660	10·0	3·543	-56·985	-4
...	34·661	+35·140	-2	...	...	...	...	22·445	-25·063	-1	...	...	...	3·274	+19·232	-4	...	...
...	34·607	+26·122	-3	...	...	...	...	22·329	-22·717	0·70	47·5661	10·2	S+	3·044	-54·875	4·45	47·5674	7·1
101	-34·167	-28·388	-5	161	-22·274	-10·676	0·80	47·5662	10·0	...	221	-2·829	+28·539	-2
...	33·963	+5·533	0·75	46·5970	9·8	...	...	22·043	+32·398	-5	...	...	...	2·266	-51·713	-3	...	...
...	33·918	+33·674	0·75	46·5972	9·8	...	...	22·027	+15·484	-3	...	...	*	2·151	+53·881	0·95	45·6065	9·5
...	33·676	+7·668	0·85	46·5971	9·8	...	...	21·505	+26·721	-1	...	...	...	2·147	-27·482	0·70	47·5675	10·0
...	33·569	-38·385	0·65	...	...	...	...	21·178	+8·701	-5	...	...	S*	1·869	+19·382	2·95	46·5987	7·7
...	-33·471	+32·869	0·65	...	...	...	...	-19·861	-23·772	-5	...	...	...	1·796	+38·205	-4	...	...
...	33·345	-18·904	0·90	47·5648	9·8	...	...	19·794	-6·961	-2	46·5978	10·2	*	1·419	-32·078	0·90	47·5676	9·5
...	33·230	-30·113	-5	...	...	...	...	19·155	+57·953	-5	...	...	*	0·638	+1·776	1·30	46·5988	9·3
...	32·622	+40·789	-4	...	...	...	...	18·849	+59·284	-4	...	...	*	0·530	-31·928	1·20	47·5677	9·2
...	32·547	-7·904	-1	...	...	...	...	18·795	-4·150	-5	...	...	*	0·405	+9·648	-2	...	...
III	-32·432	+25·152	-4	*	171	-18·185	+18·558	1·35	46·5979	9·2	...	231	+0·013	+41·880	-1
*	32·027	-57·397	0·90	47·5649	9·8	17·946	+53·205	0·95	45·6050	10·0	0·845	-11·946	0·65
...	31·918	-59·705	-5	...	...	...	...	17·593	+26·349	-2	...	...	...	1·057	+54·060	-5	...	...
...	31·403	-41·415	0·70	...	...	...	...	17·444	+6·464	-5	...	...	...	1·067	-53·234	-4	...	...
...	31·283	+23·824	0·70	46·5973	9·8	...	...	17·398	+29·770	-5	...	...	*	1·104	-11·056	1·10	47·5678	9·4
...	-31·117	-3·299	-5	M	...	*	...	-16·844	+58·162	1·35	45·6052	9·2	...	+	1·616	-55·741	0·75
...	30·947	-33·269	-3	16·614	+7·105	0·95	46·5980	9·8	1·652	-24·304	-3
...	30·885	+25·976	-4	...	...	...	...	15·649	-8·826	-5	...	...	...	1·691	-43·283	-4	...	...
...	30·609	+8·800	-4	...	...	...	...	15·596	-17·643	-5	...	...	...	1·761	-14·966	-5	...	...
...	30·565	-19·682	-5	...	...	...	...	15·502	-35·543	0·95	47·5664	9·9	*	1·827	+35·609	1·10	46·5989	9·5

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
241-300															301-360		
241	+ 2°286	- 4°285	- 4	o	...	301	+ 15°180	- 23°335	- 5	o	...	361	+ 31°990	- 0°638	- 5	o	...
...	+ 2°446	+ 53°787	0°90	45.6069	10°2	...	15°274	+ 15°636	0°65	46.6004	10°0	S*	32°098	- 53°169	1°40	47.5708	9°2
...	+ 2°462	+ 19°863	0°65	46.5990	10°2	†	15°282	- 34°939	- 5	...	...	32°181	+ 26°615	- 3	...	...
...	+ 2°751	- 0°602	- 4	...	...	...	15°432	+ 29°033	- 5	...	...	32°449	- 18°575	- 3	...	...
*	+ 2°829	+ 41°251	1°00	46.5991	9°6	...	16°168	- 22°099	- 1	47.5693	10°0	...	32°566	+ 56°904	- 1	...	...
...	+ 3°087	+ 22°266	- 3	...	...	...	+ 16°385	- 55°581	- 4	...	...	...	+ 32°579	- 11°576	- 5	...	...
...	3°247	- 49°336	0°65	...	...	...	16°433	- 29°168	- 3	...	...	...	33°034	+ 53°440	0°65	...	...
...	3°427	- 4°804	- 5	M a	...	...	17°001	- 20°896	- 5	...	...	...	33°072	- 46°376	- 5	...	...
...	3°501	- 36°117	0°80	...	...	...	17°485	- 10°326	- 2	47.5694	10°2	...	33°127	+ 39°414	- 3	...	...
...	4°237	- 41°234	- 5	...	...	...	17°653	- 7°581	0°75	46.6005	10°2	...	34°347	- 24°261	- 5	...	...
251	* + 4°338	- 50°990	1°05	47.5679	9°6	311	+ 17°838	+ 58°317	0°90	45.6082	9°9	...	+ 35°395	- 56°760	- 4	...	...
...	4°571	- 38°435	0°95	47.5680	10°0	...	18°207	+ 56°120	- 3	45.6083	10°2	...	35°451	+ 5°989	- 5	...	...
...	5°029	- 50°279	- 3	...	...	...	18°263	- 46°604	- 5	...	...	...	35°572	+ 38°187	0°65	46.6020	10°2
...	5°159	- 26°598	1°00	47.5681	10°0	...	18°513	- 51°363	- 4	...	...	*	35°736	- 25°682	1°15	47.5710	9°4
*	5°926	+ 15°537	1°35	46.5992	9°0	*	18°697	- 32°707	1°20	47.5695	9°3	*	35°815	- 42°259	1°00	47.5711	9°6
...	+ 5°972	+ 57°814	- 4	...	...	*	+ 18°724	+ 37°362	1°40	46.6006	9°0	...	+ 35°869	- 45°310	0°65	...	...
*	6°127	+ 40°784	1°30	46.5993	9°2	...	18°784	- 54°314	- 5	...	...	*	36°756	+ 22°443	1°30	46.6021	9°2
*	6°466	+ 40°454	1°70	46.5994	8°8	...	18°971	+ 15°124	0°65	46.6007	10°0	...	36°984	+ 51°525	- 3	...	...
...	6°767	+ 2°786	- 4	...	...	*	19°522	- 54°711	1°50	47.5696	9°0	...	37°732	- 12°912	0°70	47.5712	10°2
†	6°908	+ 14°985	- 1	...	...	...	19°620	- 52°959	- 5	...	...	...	38°125	- 17°164	- 2	...	...
261	+ 6°984	- 15°851	- 3	47.5682	10°2	321	+ 20°530	+ 14°466	- 5	...	...	...	+ 38°202	+ 59°415	- 3	...	...
...	7°368	+ 35°445	0°80	46.5995	9°9	...	20°612	+ 7°540	- 4	...	...	...	38°403	+ 38°017	- 5	...	...
...	7°522	+ 25°658	- 5	...	...	...	21°016	+ 58°184	0°95	...	...	*	38°937	- 57°306	1°40	47.5714	9°0
*	7°560	- 33°494	1°35	47.5684	9°0	...	22°006	+ 13°124	- 4	...	...	...	38°990	+ 43°914	- 3	...	...
...	7°598	+ 49°175	- 3	...	...	...	22°081	- 54°775	- 2	47.5697	10°2	†	39°167	- 4°929	- 1	46.6023	10°2
...	+ 7°637	+ 6°904	0°65	46.5996	10°0	...	+ 22°445	+ 36°070	- 1	46.6008	10°2	...	+ 39°357	+ 55°520	- 4	a	...
...	7°767	+ 1°763	- 4	...	...	...	22°484	- 2°212	0°75	46.6010	10°0	...	39°431	+ 41°820	- 3	...	...
...	8°073	- 58°422	0°90	47.5685	10°2	S+	22°580	+ 54°932	1°45	45.6088	9°0	*	39°454	+ 40°868	1°40	46.6022	9°0
...	8°293	+ 17°797	- 2	...	...	...	22°623	+ 50°922	- 1	46.6009	10°2	...	39°513	- 40°732	- 4	...	...
...	8°752	- 51°300	0°90	47.5686	10°0	...	22°941	- 56°087	- 5	a	...	...	39°856	+ 49°695	- 3	...	...
271	+ 8°857	- 4°896	- 5	...	...	*	+ 22°949	- 28°099	1°20	47.5698	9°4	...	39°1	- 49°739	- 4	...	...
...	8°897	- 29°665	- 5	...	...	...	23°020	+ 43°835	- 3	46.6011	10°2	*	40°558	- 58°394	1°10	47.5717	9°6
...	9°032	+ 16°345	- 2	...	...	...	23°226	+ 3°731	0°65	46.6012	10°2	...	40°599	- 18°264	0°70	47.5715	10°2
...	9°050	- 55°145	0°90	47.5687	10°2	...	23°538	- 39°774	0°75	47.5699	9°8	*	40°727	- 58°950	1°40	47.5718	9°4
...	9°195	+ 6°639	- 3	...	...	*	24°806	+ 44°229	0°90	46.6013	9°5	...	40°727	- 12°662	- 4	...	...
...	+ 9°519	- 11°208	- 4	...	...	...	+ 25°117	+ 34°810	0°80	46.6014	9°6	*	+ 40°782	- 31°373	1°50	47.5716	8°7
...	9°675	- 43°929	- 3	...	...	...	25°596	+ 49°307	- 2	...	...	...	40°946	- 56°266	- 4	...	...
*	10°077	- 46°351	1°00	47.5688	9°6	...	25°875	+ 12°356	- 4	...	...	...	41°127	+ 42°397	1°00	46.6024	9°9
*	10°232	+ 43°422	1°00	46.5997	9°6	...	25°945	- 2°415	- 1	46.6015	10°2	...	41°322	+ 30°750	- 5	...	...
...	10°385	- 1°843	0°95	46.5998	9°8	...	25°971	+ 0°797	- 5	...	...	...	41°586	- 1°777	- 4	...	...
281	+ 10°794	+ 29°959	- 4	...	...	...	+ 26°583	+ 32°314	- 5	a	...	...	+ 41°609	+ 52°365	- 3	45.6101	10°2
...	11°141	+ 6°960	- 5	...	...	...	26°836	+ 31°962	- 5	...	...	...	41°760	- 34°457	1°00	47.5719	10°0
...	11°300	- 54°022	- 4	...	...	*	27°861	+ 21°617	1°00	46.6016	9°6	...	41°850	+ 2°097	- 3	...	...
...	11°487	+ 34°346	0°80	46.5999	9°9	...	27°979	- 50°694	- 1	...	...	S*	42°109	+ 13°117	1°20	46.6026	9°2
...	11°793	+ 7°482	- 5	...	...	...	27°983	+ 27°605	- 4	...	...	...	42°185	+ 15°279	- 4	...	...
...	+ 11°844	+ 0°966	- 3	...	...	...	+ 28°353	- 8°032	- 2	...	...	...	+ 42°294	+ 41°155	0°90	46.6025	10°2
...	11°961	+ 32°292	- 5	...	...	...	28°383	- 36°859	- 4	...	...	...	42°513	+ 19°285	- 5	...	...
...	12°037	+ 55°621	0°70	45.6078	10°2	...	28°486	- 47°630	- 2	...	...	...	42°938	- 12°998	- 2	...	...
*	12°460	+ 2°223	1°40	46.6000	8°8	*	28°871	- 43°304	1°40	47.5703	9°2	...	43°118	+ 1°200	0°65	46.6027	10°2
...	12°575	+ 15°295	- 5	...	...	...	28°938	- 29°488	0°65	47.5701	10°0	...	43°353	+ 23°132	- 4	...	...
291	* + 12°584	- 32°247	1°35	47.5689	8°9	*	+ 29°175	- 20°820	1°70	47.5704	8°9	...	+ 43°813	+ 37°841	0°90	46.6028	10°0
...	12°735	+ 26°514	- 4	...	...	...	29°373	+ 16°958	0°70	46.6017	10°0	...	44°164	+ 51°715	- 1	45.6102	10°2
...	12°794	- 59°505	0°90	47.5690	10°0	*	29°624	- 50°203	0°95	47.5705	9°6	...	44°289	- 54°210	0°90	47.5720	9°9
...	13°077	- 2°243	- 4	...	...	...	30°819	+ 26°907	- 3	...	...	...	44°937	+ 16°202	- 3	...	...
...	13°261	- 6°682	- 2	46.6001	10°2	...	31°226	- 49°183	0°95	47.5706	10°0	*	45°241	- 33°278	2°00	47.5721	8°4
S*	+ 14°146	+ 16°228	1°30	46.6003	9°0	*	+ 31°318	+ 9°305	1°00	46.6018	9°5	...	+ 45°355	- 27°055	- 5	...	...
...	14°205	+ 48°485	0°65	46.6002	10°2	...	31°464	- 25°014	- 2	...	...	...	45°808	- 40°287	- 4	...	...
...	14°242	+ 37°554	- 5	...	...	*	31°601	- 31°216	1°00	47.5707	9°9	...	45°986	- 29°566	- 3	...	...
S†	14°687	- 33°056	4°50	47.5692	7°2	†	31°636	+ 54°815	0°70	45.6093	10°2	...	46°185	+ 55°576	- 4	a	...
...	14°942	- 23°499	- 4	...	...	*	31°911	+ 48°576	1°00	46.6019	9°6	...	46°672	+ 20°051	- 1	...	...

- 47°

No. 77

RECTANGULAR CO-ORDINATES.

1904·28

12^b 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
421-440																	
42 ¹	+46·709	-14·910	1·60	47·5722	8·8	44 ¹	+49·738	-55·240	-3	...	...	46 ¹	+55·692	+58·197	-5	...	...
+	46·952	-52·045	-3	47·5724	10·2	...	50·636	+35·032	-3	...	...	...	55·751	-37·829	-4	...	...
*	47·047	-52·299	1·00	47·5725	9·6	...	50·714	-30·094	-5	a	...	...	55·861	+29·486	-4	...	...
...	47·143	-28·592	0·65	47·5723	10·2	...	51·064	-22·548	0·75	47·5731	10·2	*	55·886	-7·640	1·00	46·6034	9·6
...	47·462	+1·903	-5	...	...	...	51·193	+22·093	0·85	46·6031	9·9	...	56·187	+2·529	0·70	46·6035	10·0
N [	+47·684	-28·162	0·90	...	...	...	+51·257	-57·789	-3	...	...	...	+56·574	+25·462	0·65	46·6036	10·0
N]	47·730	-28·136	0·85	47·5727	9·4	...	51·427	-31·594	-3	...	...	*	56·917	+37·806	1·40	46·6037	9·2
...	47·692	+2·633	-5	m	...	...	52·027	+8·140	-2	...	...	...	57·453	+45·762	-5	...	...
*	47·814	+28·684	0·95	46·6029	9·6	...	52·176	-43·890	-3	...	...	...	57·754	+0·262	-5	...	...
...	48·089	+34·305	-5	...	...	...	52·239	+49·258	0·80	46·6032	10·0	...	57·784	+13·328	-4	...	...
43 ¹	+48·127	+21·878	-2	46·6030	10·2	45 ¹	+52·770	-19·785	-2	47·5732	10·2	47 ¹	+58·545	+40·308	-3	...	...
...	48·236	-31·321	1·60	47·5728	9·0	...	52·878	+7·175	-4	...	...	...	58·890	+25·216	-4	...	...
...	48·298	+3·695	-3	...	...	*	52·971	-26·184	1·40	47·5733	9·3	...	59·126	+42·964	0·90	46·6038	10·0
...	48·324	-20·940	-2	...	...	...	53·403	-16·488	-4	...	...	...	59·440	-26·998	0·90	47·5735	9·6
...	48·364	-25·610	-2	...	...	...	53·495	+38·236	-4	...	...	*	59·507	-46·683	1·80	47·5736	9·0
†	+48·613	+54·892	-5	...	...	S*	+53·975	-30·074	2·60	47·5734	7·6						
...	48·725	-58·316	-3	47·5730	10·2	...	54·037	+17·801	-4	...	...				
...	49·238	-9·423	0·85	47·5729	9·6	...	55·000	+3·781	-5	...	...				
...	49·277	+18·561	-3	...	...	...	55·688	+45·599	0·90	46·6033	9·6						
†	49·591	-35·173	-4	...	...	...	55·689	-21·022	-5	...	...				

426, 427. 47°·78, 48°·78, mass.

- 47°

No. 78

D,-4

1904·28

12^b 55^m

1-30						31-60						61-90						
I	-59·897	-58·711	0·90	47·5717	9·6	3 ¹	-50·561	+8·162	-3	...	...	6 ¹	-41·805	+33·005	-4	...	...
...	59·832	+51·478	-1	45·6102	10·2	...	50·543	-22·540	0·75	47·5731	10·2	...	41·405	+31·096	-1	46·6041	10·2	
...	59·724	+37·600	0·85	46·6028	10·0	...	50·660	+38·303	-5	...	...	*	41·331	-46·380	1·60	47·5736	9·0
*	59·713	-59·249	1·30	47·5718	9·4	...	49·897	-31·573	-3	...	...	S*	40·993	-8·940	4·00	47·5737	7·7
...	59·473	-34·742	1·00	47·5719	10·0	...	49·683	+7·234	-4	...	...	...	40·637	+20·294	-4	...	...
...	-59·266	+0·945	0·70	46·6027	10·2	...	-48·941	-19·716	-1	47·5732	10·2	*	-40·588	-0·525	1·40	46·6042	9·0	
...	58·987	-13·243	-3	...	...	...	48·867	+17·894	-5	...	...	...	40·079	-53·076	-1	47·5738	10·2
...	57·906	+15·997	-3	...	...	...	48·758	-43·843	-4	...	...	...	39·955	-38·475	-4	...	...
...	56·313	-54·391	0·70	47·5720	9·9	*	48·516	-26·122	1·25	47·5733	9·3	†	39·121	+34·836	-3	...	...
†	56·306	+19·895	0·65	...	...	...	48·102	+45·719	0·95	46·6033	9·6	...	38·945	-50·341	-5	...	...
II *	-56·010	-33·464	2·00	47·5721	8·4	4 ¹	-47·419	+29·625	-4	...	...	7 ¹	-38·570	-5·573	-4	...	...
*	55·438	+28·572	1·05	46·6029	9·6	S ¹	47·384	-29·961	2·30	47·5734	7·6	...	38·522	+38·490	-2	...	...
...	55·408	-29·715	-3	...	...	*	46·626	+37·969	1·20	46·6037	9·2	...	38·216	+29·387	0·80	46·6043	9·8
+	55·146	-15·036	2·00	47·5722	8·8	...	46·566	+25·627	0·70	46·6036	10·0	...	37·657	-4·221	-3	...	...
...	54·917	+21·775	0·70	46·6030	10·2	...	46·343	+45·946	-4	...	...	...	37·273	+30·696	-3	...	...
...	-54·281	-28·704	0·75	47·5723	10·2	...	-46·228	+2·686	0·75	46·6035	10·0	...	-36·981	-1·081	0·65	46·6044	10·0	
...	54·156	+3·627	-2	...	...	*	46·206	-7·476	1·00	46·6034	9·6	...	36·963	+36·547	0·75	46·6046	9·9
N * [	53·725	-28·245	1·20	47·5727	9·4	...	45·363	-37·651	-4	...	...	...	36·750	-7·741	0·65	46·6045	10·0
...	53·709	-52·152	-3	47·5724	10·2	...	45·066	+40·528	-3	...	...	*	36·491	+25·396	1·20	46·6047	9·2
...	53·657	+18·501	-2	...	...	...	44·714	-36·829	-5	...	...	...	36·416	+20·223	-4	...	...
2 ¹	*	-53·602	-52·406	1·30	47·5725	9·6	5 ¹	-44·598	+43·196	0·75	46·6038	10·0	*	-36·344	-43·953	1·00	47·5741	9·5
...	53·341	-21·006	-3	...	...	...	44·253	+25·457	-3	...	...	...	36·343	-59·263	-1	47·5740	10·2
...	53·158	-25·675	-2	...	...	*	43·799	+35·340	1·40	46·6039	9·0	†	35·898	+19·855	1·80	46·6049	8·6
*	53·097	-31·401	1·40	47·5728	9·0	...	43·320	+22·442	-3	...	...	...	35·789	-34·308	-4	...	...
...	52·822	+34·986	-2	...	...	...	43·300	+25·973	-2	...	...	...	35·777	-3·045	0·75	46·6048	9·8
*	-52·801	-9·472	1·00	47·5729	9·6	...	-42·887	+41·819	-2	+6·6040	10·2	...	-35·668	-3·597	-3	...	...
...	51·856	+22·081	1·00	46·6031	9·9	...	42·619	-2·346	-3	...	...	...	35·296	+46·237	-3	...	...
...	51·744	-58·384	-4	47·5730	10·2	...	42·573	+2·039	-4	...	...	...	35·258	-55·593	-1	47·5742	10·2
...	51·671	+49·267	0·75	46·6032	10·0	...	42·030	-26·717	0·90	47·5735	9·6	...	34·793	+22·436	0·70	46·6050	9·8	
...	50·845	-55·261	-4	...	...	...	41·900	+11·184	-4	...	...	†	34·621	+19·963	0·80	46·6051	9·8

C measured from 1, 108, 214, 331.
MC " 49, 160, 279, 396.
18. Mass. 47°·77, two stars; 48°·78, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
91-150																		
91	-34.539	-31.342	2.10	47.5743	8.5	151	-16.566	+27.247	1.00	46.6067	9.6	211	-1.152	-21.185	-3	47.5778	10.2	
...	34.514	+51.662	-2	...	...	...	16.318	-18.878	0.75	47.5760	10.2	...	0.503	+1.396	-4	...	...
...	34.409	-31.866	-5	...	...	...	16.008	+25.912	-1	46.6068	10.2	...	0.382	+55.773	-4	...	...
...	34.136	+1.684	-4	...	...	...	15.973	-20.960	-5	...	...	...	0.269	-38.631	0.70	47.5780	9.8
*	33.627	+7.292	1.40	46.6052	8.8	...	15.835	-18.304	0.65	47.5761	10.2	...	0.155	-3.435	-3	...	...
...	33.382	-59.744	0.75	47.5745	9.9	...	15.701	+43.985	-3	46.6069	10.2	...	0.954	+59.735	-1	...	...
...	33.348	+14.387	-3	...	...	...	15.583	+49.926	-3	...	...	...	1.023	+28.433	-1	...	...
...	33.222	+1.265	-1	46.6053	9.9	...	15.457	-32.193	-5	...	...	...	1.047	+45.761	1.20	46.6088	9.5
...	33.019	-7.867	0.85	46.6054	9.8	*	15.403	+26.352	0.90	46.6070	9.8	...	1.048	+32.851	-5	m	...	
...	32.671	+11.212	-4	...	...	...	14.795	-54.618	0.80	47.5762	9.9	...	1.062	-0.223	-4	46.6089	10.2
101	-32.452	-21.176	-4	...	...	161	-14.292	+48.370	0.70	46.6071	10.0	221	1.345	+43.543	-3	m	...
...	32.403	+10.231	-4	...	...	...	14.141	-17.617	-3	47.5763	10.2	...	1.490	+28.698	-3	...	...
...	32.359	-17.392	-2	...	...	...	14.112	+30.474	0.65	46.6072	9.8	...	1.516	+22.420	-4	46.6090	10.2
...	32.127	-33.906	-4	...	...	...	13.861	-24.921	-3	...	...	...	1.660	-51.793	-1	47.5781	10.2
α	31.371	+0.370	-1	46.6055	10.2	...	13.680	-57.978	-5	...	...	...	1.710	+15.410	-4	...	...
...	-30.907	+37.623	-3	...	...	...	13.394	+7.220	1.00	46.6073	9.4	...	1.865	+57.107	0.75	45.6156	10.2
...	30.811	+41.197	-3	...	...	...	13.333	-32.317	-4	...	...	...	2.535	-42.390	0.75	47.5782	9.9
...	30.070	-45.418	-1	47.5747	10.2	*	13.137	+39.359	1.40	46.6075	9.0	...	2.634	+26.229	-1	...	...
...	29.550	+43.763	-4	...	...	...	13.045	+11.105	-4	...	...	F†	2.830	+0.016	-1	46.6091	10.0
...	29.324	+55.387	0.65	45.6121	10.0	*	12.979	-4.607	1.10	46.6074	9.2	...	3.104	+30.958	0.75	46.6092	10.0	
III	-29.144	+53.498	1.05	45.6122	9.5	...	12.433	-0.575	-4	...	...	...	3.150	+39.853	-5	...	...
...	28.571	-43.328	0.70	47.5748	10.2	...	12.329	-48.753	-4	...	...	...	3.617	-43.194	0.75	47.5784	10.0
...	28.210	-1.632	-3	...	...	n*	11.957	-59.195	1.80	47.5764	8.0	...	3.679	-35.983	0.70	47.5785	10.2
*	28.097	-20.524	1.20	47.5750	9.4	*	11.834	+21.573	1.10	46.6076	9.2	...	3.864	+30.711	-3	...	...
...	27.965	-17.139	-5	...	...	n*	11.751	-59.139	1.80	47.5764	8.0	...	3.984	-51.170	-5	m	...
*	27.798	-56.658	1.00	47.5749	9.5	*	11.619	-49.270	1.00	47.5765	9.5	†	4.667	+20.911	1.20	46.6093	9.5	
*	27.657	-51.226	1.00	47.5751	9.6	*	11.083	+51.846	1.00	46.6077	9.6	...	4.834	-34.863	-1	47.5786	10.2	
...	27.187	-9.104	-1	...	...	...	10.331	-41.667	-2	47.5766	10.2	...	5.004	-44.761	-2	47.5787	10.2
...	27.059	-43.834	0.95	47.5752	9.6	...	9.913	-3.371	-5	...	...	...	5.191	-41.464	-4	47.5788	10.2
...	27.052	-15.226	-3	...	...	...	9.550	+51.705	0.75	46.6078	9.9	...	5.469	+20.544	0.70	46.6095	10.2
121	-26.523	+36.363	-2	...	...	181	-9.446	-58.694	-4	m	...	...	5.512	+23.263	0.70	46.6094	9.8
...	26.361	+30.151	0.75	46.6056	9.6	...	9.158	-32.133	0.65	47.5767	9.6	...	5.698	-40.719	-5	m	...	
...	26.223	-9.521	0.70	47.5753	10.2	...	8.899	-45.426	0.65	47.5768	10.0	...	5.849	-42.201	-3	...	...
...	26.153	-12.386	-4	...	...	...	8.644	+45.463	-3	46.6079	10.2	...	5.887	-19.734	-1	47.5789	10.2
*	25.865	+28.454	4.00	46.6057	7.3	...	8.051	-48.798	-2	47.5769	10.2	...	5.921	-35.245	-5	...	...
*	-25.666	+30.573	1.40	46.6058	9.0	*	7.995	-21.533	0.85	47.5770	9.6	...	6.620	-38.781	-5	...	...
...	25.518	+55.305	-2	...	...	...	6.979	-18.159	-2	...	...	...	6.954	-28.025	0.70	47.5790	10.0
...	25.490	+38.618	-3	...	...	...	6.855	-25.835	-3	...	...	...	7.068	+15.175	1.40	46.6096	9.0
...	25.461	-40.789	-4	...	...	...	6.617	-41.247	-2	47.5771	10.2	...	7.352	+29.346	0.70	46.6097	10.0
...	24.535	+54.672	0.95	45.6127	9.9	...	6.318	+42.089	-2	46.6080	10.2	...	7.678	+2.404	1.00	46.6098	9.5	
I31	-24.205	-35.634	0.70	47.5754	9.9	...	6.042	-40.051	-4	...	...	...	7.762	+30.425	0.65	46.6099	10.2
*	24.061	+10.797	1.25	46.6059	9.2	S*	5.830	-10.513	-1	47.5772	10.2	*	7.776	+21.846	1.00	46.6100	9.5	
...	24.002	+52.270	-3	...	...	5.799	+23.369	1.40	46.6081	9.0	...	7.949	+34.098	0.90	46.6101	9.6	
...	23.894	+40.308	0.95	46.6060	9.6	...	5.655	+50.933	0.85	46.6082	9.5	...	8.006	+2.892	0.80	46.6102	9.6	
...	22.436	+52.346	1.00	45.6131	9.6	...	5.478	-24.195	-4	...	...	...	8.059	-17.180	-3	47.5791	10.2
...	-22.227	-56.147	-5	...	...	...	5.378	+29.941	-4	m	...	...	8.089	-43.999	-2	...	...
*	21.773	+50.426	1.00	46.6061	9.6	...	5.043	+21.295	0.95	46.6083	9.5	*	8.418	-53.446	1.10	47.5792	9.5	
...	21.376	+14.296	-4	46.6062	10.2	...	4.939	-22.119	-2	47.5773	10.0	...	8.539	+16.261	-3	46.6103	10.2	
...	20.655	+39.622	-3	...	...	*	4.467	+15.802	1.40	46.6084	9.4	...	8.604	-23.718	0.70	47.5793	10.0
...	20.648	+2.068	0.95	46.6063	9.8	...	4.322	+5.273	-3	46.6085	10.2	...	8.844	-36.675	-2	47.5794	10.0	
I41	S*	-20.062	-24.868	1.10	47.5756	9.0	...	4.036	-5.666	-4	+	8.889	+1.143	-3	46.6104	10.2
...	19.172	+40.290	-5	...	...	3.073	-18.877	-5	...	...	...	8.917	-53.079	-5	m	...	
*	19.020	-23.621	1.15	47.5757	9.3	...	2.979	+37.855	-5	...	...	*	9.558	-56.775	1.80	47.5795	8.7
*	19.012	-29.558	1.10	47.5758	9.5	...	2.967	-23.540	-3	47.5775	10.2	...	10.128	+32.487	-3	...	...
...	18.906	+6.027	0.85	46.6064	10.0	*	2.805	-32.169	1.00	47.5776	9.4	...	10.974	+5.516	0.70	46.6105	9.9	
...	-17.827	-40.676	-2	47.5759	10.2	...	2.541	+35.069	-5	...	...	+	11.004	-8.338	-5	m	...
α	17.800	+0.422	-1	46.6065	10.0	...	2.498	-36.687	-4	...	...	...	11.005	+48.946	-5	...	...
*	17.097	+22.433	1.20	46.6066	9.3	...	2.139	-7.449	0.75	46.6086	10.0	...	11.033	-38.628	-5	m	...	
...	16.962	-59.167	-4	...	...	1.678	-41.707	-1	47.5777	10.2	...	11.670	+39.960	-1	46.6106	10.0	
...	16.890	+36.504	-5	...	...	1.495	+33.422	0.85	46.6087	9.6	...	12.088	+35.075	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
271-330																			
271	+12·278	+42·478	-4	o	...	331	+29·927	-42·727	-5	o	m	...	391	+43·662	-16·939	1·00	47·5832	9·6	
...	12·358	-13·359	1·00	47·5796	9·5	...	30·039	-23·085	-5	*	43·711	-35·742	0·95	47·5833	9·6	
S *	12·640	+14·578	-5	46·6107	10·2	...	30·191	+5·672	-5	...	...	...	44·051	+28·965	-2	46·6142	10·2
...	12·687	-10·430	0·90	47·5797	9·6	*	30·221	+43·212	1·05	46·6122	9·4	...	44·277	+42·465	-4	...	...
...	13·106	+44·263	0·85	46·6108	9·8	...	30·491	+20·020	0·70	46·6123	10·2	...	44·397	-3·145	-4	...	...
...	+13·482	-53·391	-1	47·5798	10·2	...	+30·657	+15·752	0·90	46·6125	9·8	N *	+44·687	+58·087	2·00	45·6200	8·2		
...	13·542	+32·716	0·65	46·6109	10·2	*	30·873	+50·288	1·20	46·6124	9·4	N *	44·786	+58·064	1·40	46·6143	7·2		
...	14·316	-38·851	-3	...	...	31·100	+58·961	1·15	45·6188	9·6	...	44·767	-4·309	-5	a	...	
...	14·797	+5·858	-1	46·6110	9·8	...	31·503	-16·703	-4	b	...	+	44·941	+24·907	3·80	46·6143	7·2		
...	15·618	-33·670	-4	...	...	31·518	+59·103	0·80	45·6189	10·0	...	45·086	-8·282	-4	...	...	
281	+15·744	-9·695	0·80	47·5800	10·0	...	341	+31·906	+57·692	-3	45·6190	10·2	...	+45·096	+4·357	-1	46·6144	10·2	
...	16·800	-49·867	1·60	47·5802	8·8	...	32·549	+2·590	-5	...	...	...	45·117	-49·619	-5	b	...
...	16·827	+27·124	-4	46·6111	10·2	*	33·035	-38·103	0·90	47·5816	9·6	...	45·168	-2·193	-5	e	...		
...	16·928	-28·043	-3	47·5801	10·2	...	33·163	-50·803	-5	m	...	n	46·052	+22·048	0·65	46·6145	9·4		
S *	16·969	-51·798	-4	...	...	*	33·282	-58·713	1·00	47·5817	9·6	...	46·064	+10·910	-4	...	...
...	+17·470	+58·268	1·65	45·6172	8·9	...	+33·893	+50·136	-2	...	...	n *	+46·130	+22·098	0·90	46·6145	9·4
...	17·472	+44·770	0·70	46·6112	9·9	...	33·922	-55·229	-1	47·5818	10·2	*	46·347	-39·305	0·90	47·5835	9·5		
*	17·549	-57·574	1·00	47·5803	9·6	...	33·989	+8·657	0·80	46·6127	9·9	*	46·621	-8·483	0·90	47·5834	9·6		
...	17·901	+9·511	-4	...	...	...	34·231	+35·459	-2	46·6126	10·2	...	46·927	-9·047	-3	...	...
...	18·034	-26·351	-3	47·5804	10·2	...	34·820	-12·517	-3	...	...	...	47·139	-21·638	-4	...	...
291	+18·210	-45·881	-5	b	351	+34·919	-14·741	0·85	47·5819	9·6	...	411	+47·185	+21·260	-4
...	18·523	+16·894	-5	...	...	...	34·926	+46·147	-4	...	...	...	47·193	-5·687	-4	e	...
...	18·806	+11·523	0·95	46·6113	9·5	...	35·204	-5·983	-5	...	...	*	47·436	+10·475	1·00	46·6146	9·4
...	19·058	+41·591	-3	...	...	...	35·961	+59·025	-1	45·6192	10·2	...	47·528	-7·667	-4	...	...
*	20·272	-22·170	1·00	47·5806	9·5	...	35·970	-50·653	-4	47·5820	10·2	N *	47·532	-40·535	0·90	...	...
...	+20·399	-45·564	-4	b	...	...	+36·140	+2·740	0·90	46·6128	9·8	N *	+47·555	-40·479	0·90	47·5836	9·0
...	20·440	-54·792	-3	...	...	...	36·461	+38·317	-2	...	...	...	47·984	+46·828	-4	...	...
...	20·507	-46·178	-2	...	...	...	36·601	+9·124	0·75	46·6129	9·8	...	48·099	+39·559	-1	46·6147	10·0
...	20·895	+57·348	-3	...	...	...	36·604	+32·476	-1	...	...	...	48·789	-30·915	0·80	47·5837	9·6
...	21·202	-20·407	-4	...	...	...	36·974	+4·394	0·70	46·6131	10·0	...	49·050	+41·081	0·75	46·6148	9·9
301	+21·892	-1·455	-5	m	361	+36·995	+16·624	-5	+49·361	+19·272	-5	
...	22·000	-17·357	-4	47·5807	10·2	...	37·083	+48·954	1·00	46·6130	9·6	...	49·385	+23·375	-3	46·6149	10·2		
*	22·249	+51·575	1·20	46·6114	9·4	...	37·234	-16·570	0·70	47·5821	10·0	...	49·469	-28·592	-1	47·5838	10·0		
...	22·619	+2·107	-4	...	...	...	37·418	-28·265	0·85	47·5822	9·8	...	49·510	-0·384	-5	e	...
...	23·200	-46·905	-4	b	...	S *	37·704	-35·969	3·00	47·5824	7·6	*	49·702	+13·587	1·20	46·6150	9·0		
*	+23·714	+57·582	1·00	45·6176	9·6	*	+37·993	-1·906	1·00	46·6132	9·6	...	+49·804	+21·256	0·85	46·6151	9·6		
...	24·111	+10·786	-1	46·6115	9·9	...	38·177	-23·118	0·65	47·5825	10·0	...	49·839	-0·762	0·70	46·6154	10·2		
...	24·265	+24·605	-1	46·6116	10·2	...	38·258	-32·229	-1	47·5826	10·2	...	49·938	+10·001	-4	...	...
...	24·783	+28·035	-4	...	...	...	38·531	-0·450	0·70	46·6133	10·0	...	49·938	+25·438	-4	...	...
...	24·862	-57·440	-4	...	...	...	38·966	+44·461	-2	46·6134	10·2	*	50·275	-26·262	1·20	47·5840	9·3
311	+24·927	+18·097	-5	371	+39·049	-36·293	-1	431	+50·378	+40·342	0·90	46·6153	9·5	
...	25·003	+15·479	-3	...	...	...	39·186	-38·430	-1	47·5827	10·2	*	50·442	+45·882	1·10	46·6152	9·4
*	25·552	+39·304	1·00	46·6117	9·5	...	39·307	-4·696	-5	...	...	...	51·160	+3·515	-5	m	...
...	25·600	-28·923	-3	...	...	†	39·566	+46·406	0·75	46·6135	10·0	...	51·230	-15·535	-3	e	...
...	26·585	-0·862	-4	...	...	...	39·807	+16·312	0·90	46·6136	9·8	...	51·694	-39·577	-5	e	...
*	+26·721	-35·406	0·90	47·5810	9·6	...	+39·821	-8·191	-1	46·6137	10·2	e *	+52·527	-0·473	1·10	46·6155	9·4		
...	27·340	+13·791	-4	...	...	...	39·967	+33·839	-4	...	...	...	52·557	+11·604	-3	...	...
...	27·349	-51·304	-1	47·5811	10·0	*	40·067	-45·499	1·00	47·5828	9·5	*	53·440	+3·496	0·95	46·6157	9·6		
*	27·401	-51·565	0·90	47·5812	9·6	...	40·271	+54·685	0·70	45·6195	10·0	...	53·559	+56·076	-4	...	...
...	27·529	+3·797	-1	46·6118	10·2	...	40·695	+55·011	-4	...	...	...	53·617	-29·747	-2	47·5841	10·2
321	+27·850	+38·031	-5	381	+40·935	+49·683	-5	*	441	+53·670	+3·330	0·95	46·6158	9·6	
*	28·057	+9·804	0·95	46·6119	9·6	...	41·288	+20·956	-2	46·6138	10·2	...	53·716	+26·153	-2	46·6156	10·2		
...	28·072	+54·484	-1	45·6181	10·2	...	41·339	-26·159	-1	47·5829	10·2	...	54·691	+1·131	-5	m	...		
...	28·144	-10·902	0·90	47·5813	9·6	...	41·370	+3·888	-2	...	...	...	54·996	+15·661	-5	...	...
...	28·346	+26·054	0·70	46·6120	9·8	...	41·543	-54·958	0·70	47·5830	10·2	...	55·052	-58·488	-3	47·5845	10·0		
S *	+28·407	-51·134	2·40	47·5814	8·4	...	+42·157	+32·468	0·70	46·6139	10·2	*	+55·094	-56·095	5·60	47·5844	5·2		
...	28·595	-55·623	-3	...	...	...	42·975	-38·168	-4	e	...	...	55·272	+17·821	0·80	46·6159	10·0
...	28·905	-4·332	-2	46·6121	10·2	*	43·245	-33·831	1·15	47·5831	9·4	...	55·316	-30·685	-4	...	...
...	29·359	-47·139	-5	m	...	*	43·276	+5·724	1·40	46·6140	9·0	...	55·327	-16·029	-2	47·5843	10·2		
...	29·500	-6·565	-5	m	...	S *	43·399	+8·115	1·80	46·6141	8·6	...	55·969	-12·418	0·70	47·5846	9·9		

396, 397. 46°·79, 47°·79, mass.
404, 406. C.P.D., mass.
415, 416. 47°·79, 48°·79, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-4.	No.	Mag.	x.	y.		...	No.	Mag.	x.	y.	No.	Mag.	
451-459																	
451	+56°087	+ 6°669	- 5	°	e	...											
...	56°331	+ 6°311	0°65	46.6160		10°0											
...	56°727	- 4°088	- 5	...	...	...								
*	56°887	-49°090	1°30	47.5849		9°2											
†	57°112	-19°925	- 1	47.5848		10°0											
...	+57°245	-15°137	- 5	b	...	...									
...	57°849	+12°876	- 1	46.6161		10°2											
...	58°264	-24°261	- 4	...	...	...								
...	59°058	-25°205	- 4	...	...	...								

1-40					41-80					81-120							
I					41					81							
N *	[-59°465	+57°860	2°80	45.6200	8°2	*	-51°193	-26°279	1°20	47.5840	9°3	*	-40°211	+36°478	1°40	46.6166	9°2
*	59°243	+ 5°461	1°50	46.6140	9°0	...	50°588	-15°519	0°65	E	...	...	39°888	-45°399	- 1	47.5851	10°2
...	59°204	+28°726	0°70	46.6142	10°2	...	50°572	+56°132	0°65	...	...	...	38°760	-15°588	- 4	...	...
S *	59°190	+ 7°855	1°80	46.6141	8°6	...	50°146	+11°639	0°65	...	...	*	38°600	- 7°317	1°10	46.6167	9°2
...	59°016	-55°235	0°65	47.5830	10°2	E †	49°788	- 0°441	1°10	46.6155	9°4	*	37°852	- 5°991	1°10	46.6168	9°2
...	-58°434	-21°910	- 5	A	...	...	-49°629	+ 9°162	- 5	A	...	...	-37°824	-33°021	- 2	...	...
*	58°171	+24°698	3°30	46.6143	7°2	...	49°460	+26°226	0°70	46.6156	10°2	*	37°483	+48°083	1°05	46.6170	9°4
...	58°127	-17°167	0°80	47.5832	9°6	...	49°369	-39°540	- 5	E	...	...	37°289	+35°300	0°80	46.6169	9°6
...	58°126	-38°404	- 4	E	...	*	49°011	+ 3°568	1°05	46.6157	9°6	...	36°615	- 1°464	- 3	...	...
*	57°995	-34°066	1°30	47.5831	9°4	*	48°770	+ 3°406	1°05	46.6158	9°6	...	36°234	-15°372	0°85	47.5852	9°8
II					51					91							
...	-57°834	- 3°355	- 2	...	...	...	-48°764	-30°578	- 5	A	...	...	-36°098	+ 9°296	- 2	...	...
...	57°473	-35°960	1°00	47.5833	9°6	...	47°769	-29°653	- 2	47.5841	10°2	...	35°468	-14°878	0°65	47.5853	10°2
...	57°373	+ 4°154	0°80	46.6144	10°2	...	47°616	+17°936	0°75	46.6159	10°0	...	35°028	+ 6°436	0°80	46.6171	10°0
...	57°087	- 2°381	- 4	E	...	...	46°485	-15°886	- 2	47.5843	10°2	...	34°949	+ 5°037	- 1	...	...
n	56°979	+21°869	0°70	46.6145	9°4	...	46°451	+ 6°824	- 5	E	...	...	34°907	-21°785	- 3	...	...
...	56°978	- 8°482	0°65	...	...	...	-46°198	+ 6°467	0°75	46.6160	10°0	...	-34°540	+37°821	0°80	46.6172	9°8
n	56°914	+21°939	0°85	46.6145	9°4	...	46°033	-30°538	- 4	...	...	...	34°451	-16°138	0°70	47.5855	10°2
...	56°626	+10°745	- 3	...	...	...	45°971	-12°256	0°80	47.5846	9°9	S *	34°246	-31°115	2°15	47.5857	8°2
...	55°820	+21°125	- 3	...	...	...	45°882	+35°301	- 5	...	...	...	34°094	- 1°626	0°65	46.6173	10°2
...	55°491	+39°431	0°75	46.6147	10°0	...	45°481	- 3°908	- 5	...	...	...	33°976	- 2°845	- 3	...	...
21					61					101							
...	-55°426	- 8°634	0°80	47.5834	9°6	*	-45°429	-55°950	6°30	47.5844	5°2	...	-32°729	+38°861	0°65	...	...
*	55°228	+10°341	1°05	46.6146	9°4	...	45°411	-58°335	- 1	47.5845	10°0	...	32°376	-37°661	- 2	...	...
...	55°115	- 9°193	- 1	...	...	...	44°898	+13°078	0°70	46.6161	10°2	...	32°159	-40°872	0°65	...	...
...	54°952	- 5°809	- 2	E	...	...	44°602	-19°724	- 2	47.5848	10°0	...	32°055	+ 6°476	0°65	...	...
†	54°724	-39°437	1°00	47.5835	9°5	...	44°553	+ 1°991	- 4	...	...	S *	31°891	+14°522	1°80	46.6174	8°7
...	-54°601	+40°996	0°85	46.6148	9°9	*	-43°879	-48°877	1°50	47.5849	9°2	*	-31°848	+42°351	1°10	46.6176	9°0
...	54°566	- 7°789	- 2	...	...	...	43°403	+42°830	- 4	...	...	...	31°767	+53°682	- 3	...	...
...	54°502	-21°762	- 1	...	...	...	43°300	-24°018	- 4	...	...	*	31°454	+14°392	1°80	46.6175	8°8
...	53°696	+23°312	0°65	46.6149	10°2	*	43°234	+34°279	1°10	46.6162	9°5	*	31°376	-39°403	1°15	47.5858	9°2
...	53°593	+19°220	- 2	...	...	...	42°489	-24°939	- 5	...	...	...	31°064	+ 5°201	- 2	...	...
31					71					III							
N *	[-53°478	-40°606	1°60	47.5836	9°0	...	-41°989	+19°062	- 5	A	...	*	-30°839	+ 1°014	1°00	46.6177	9°8
*	53°354	+45°817	1°15	46.6152	9°4	*	41°652	+ 0°242	1°60	46.6163	9°0	...	30°709	-16°833	- 4	...	...
...	53°243	+40°291	0°95	46.6153	9°5	...	41°488	+57°569	0°75	45.6219	10°0	*	30°232	-21°768	1°05	47.5859	9°4
...	53°204	+21°209	0°90	46.6151	9°6	...	41°278	+23°145	0°90	46.6164	9°8	...	29°959	-40°602	- 2	...	...
*	53°061	+13°523	1°15	46.6150	9°0	...	41°066	+52°612	0°65	45.6222	10°2	...	29°459	+ 5°676	0°80	46.6178	10°0
...	-52°825	- 0°434	- 5	E	...	...	-41°039	-22°721	- 2	47.5850	10°2	...	-29°332	+28°471	- 5	...	...
†	52°706	+ 9°954	- 2	...	...	...	40°991	+33°921	- 4	...	...	*	29°111	-58°068	1°10	47.5860	9°4
...	52°524	-30°964	0°85	47.5837	9°6	...	40°699	+ 2°978	- 2	46.6165	10°2	...	29°098	+56°695	- 4	...	...
...	52°471	- 0°803	0°85	46.6154	10°2	...	40°555	+ 0°644	- 2	...	...	...	28°648	+34°146	- 3	46.6179	10°2
...	51°954	-28°627	0°75	47.5838	10°0	...	40°505	-46°133	- 4	...	...	...	28°549	-25°486	- 1	47.5861	10°2

MC measured from I.
ES " " " 46, 115, 184, 267, 394.
MJ " " " 83, 152, 210, 325.

I. Mass. 46°·79, mass; 47°·78, two stars.
15, 17. C.P.D., mass.
31. Mass. 47°·78, two stars; 48°·79, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
121-180																			
121	-27·928	-38·147	-5	A	...	181	-10·233	+59·419	-3	...	...	241	+11·245	-6·571	0·75	46·6215	10·0
*	27·842	-56·977	1·15	47·5862	9·4	...	10·206	+19·000	0·65	46·6195	10·2	...	11·882	+24·181	0·70	46·6216	10·0		
*	27·787	-30·436	1·25	47·5863	9·4	S †	9·950	-31·125	2·70	47·5877	8·0	...	11·906	+12·591	0·70	46·6217	10·0		
...	27·593	+29·056	-3	...	...	...	9·671	+42·710	-5	...	...	...	12·159	-25·715	1·00	47·5890	9·4
...	27·376	-55·768	-5	A	...	...	9·539	+53·072	-2	45·6259	10·2	...	12·281	-50·843	-2	...	...
...	-27·004	+49·925	-5	...	...	...	-9·362	-6·730	-5	B	...	...	+12·430	+2·235	0·65	46·6218	10·2
...	26·638	-23·711	0·90	47·5865	9·5	*	8·951	-1·348	2·60	46·6196	8·3	...	12·490	+56·197	-5	...	...
S *	26·596	-9·414	1·90	47·5866	8·7	...	8·317	+48·747	-5	...	...	...	12·591	+22·033	0·80	46·6219	9·6
...	26·349	+28·699	-4	...	...	...	7·179	+21·139	0·65	46·6197	10·2	...	12·724	+5·398	0·70	46·6220	10·2
...	25·910	+19·982	-5	...	...	*	6·425	-46·682	0·95	47·5878	9·6	...	12·869	-38·227	-3	...	...
131	-25·536	+49·457	-3	46·6181	10·2	...	191	-5·922	+50·462	-5	251	+12·913	+56·050	0·65	
...	25·442	-6·304	0·95	46·6180	9·6	...	5·175	-59·097	-5	M	...	...	13·338	+19·513	0·65	...	...
†	24·851	+36·446	0·80	46·6182	9·5	...	5·014	+32·441	-4	...	...	...	13·369	-29·284	0·70	47·5891	9·6
...	24·058	+8·815	0·80	46·6183	9·9	...	4·990	+37·356	-2	46·6198	10·2	...	13·426	-26·359	-2	...	...
...	23·739	+25·299	-5	...	...	...	4·713	+49·558	0·65	46·6199	10·2	...	13·576	-47·736	-2	...	...
...	-23·515	-17·698	0·65	47·5867	10·0	...	-4·583	+2·804	-5	m	...	n	+13·620	+13·454	-5	46·6223	10·2		
...	23·475	+5·327	0·95	46·6184	9·6	...	3·017	-53·611	-5	M	...	†	13·637	+19·924	0·80	46·6221	9·9		
...	23·212	-10·755	-4	47·5868	10·2	...	2·988	-45·072	-4	...	...	*	13·646	+47·818	1·00	46·6222	9·6
...	22·909	+26·050	-3	...	...	*	2·666	-54·346	1·80	47·5879	8·5	n	13·750	+13·470	-5	46·6223	10·2
...	22·764	+27·765	0·95	46·6185	9·6	...	2·569	+45·325	0·75	46·6200	10·2	...	13·887	-22·432	0·75	47·5892	10·0		
141	n	-22·066	-22·308	-3	47·5869	8·4	*	201	-2·567	-17·824	1·00	47·5880	9·5	...	+13·973	-16·589	0·65	47·5893	10·2
n *	21·826	-22·462	2·00	47·5869	8·4	...	2·405	-5·114	0·90	46·6201	9·8	...	14·482	+33·869	-4	...	...
...	21·597	-23·664	-4	...	...	...	2·248	+27·896	-4	...	...	...	14·543	+30·338	0·65	...	...
...	21·545	+49·120	0·80	46·6186	10·2	...	1·349	-34·135	0·80	47·5881	9·6	...	14·731	-14·405	0·70	47·5894	10·2		
...	21·507	+54·696	0·90	45·6239	10·0	*	0·749	+40·827	1·80	46·6202	8·6	...	14·748	-6·416	-2	...	...
...	-21·202	-28·813	-3	47·5870	10·2	...	0·009	-31·605	-5	...	...	...	+14·840	+36·732	-1	...	...
...	21·001	+14·151	-3	46·6187	10·2	...	+ 0·015	+50·824	-4	...	...	...	15·401	-21·081	0·70	47·5896	10·0
...	20·972	-11·593	-3	47·5871	10·2	†	0·127	-39·304	0·85	47·5882	9·6	...	15·444	+19·378	0·70	46·6224	10·0		
...	20·832	-28·965	-4	...	...	‡	0·142	+41·960	1·15	46·6203	9·3	...	15·958	-34·410	0·65	47·5897	10·2
...	20·358	+24·110	-5	...	...	...	0·617	-6·793	-3	46·6204	10·2	...	15·980	-2·927	-4	...	...
151	-19·910	-47·625	-3	211	+ 1·602	-10·794	0·65	271	+16·008	-33·308	-4	
...	19·577	+34·184	0·65	...	...	...	1·657	+11·075	-3	...	...	...	16·759	+15·195	-5	...	...
...	19·275	+46·968	-2	...	...	...	1·753	-41·421	0·70	47·5883	10·2	...	16·784	+19·313	-5	...	...
...	19·080	+36·954	0·65	...	...	*	1·984	+24·140	1·15	46·6205	9·3	...	16·804	-35·524	0·65	47·5898	10·0
...	18·583	+17·624	-3	...	...	*	2·800	+20·104	1·30	46·6206	9·4	...	16·807	-46·227	-3	...	...
...	-18·523	+45·596	0·70	46·6188	10·2	...	+ 2·996	-28·006	0·90	47·5884	9·5	...	+16·869	+29·109	-2	46·6225	10·2		
...	18·341	-6·433	0·65	...	...	...	3·278	-51·078	0·70	47·5885	10·0	*	17·159	-31·565	1·05	47·5899	9·2
...	17·809	-41·678	-1	47·5872	10·2	*	3·817	+14·583	3·00	46·6207	7·8	...	17·346	+12·673	0·70	46·6226	9·9		
...	16·461	-54·444	-2	...	...	*	4·524	-45·181	1·15	47·5886	9·4	...	17·471	+34·134	-2	46·6227	10·2
...	15·452	+34·091	0·65	...	...	...	4·874	-55·395	-1	...	...	...	17·643	-58·676	-3	...	...
161	*	-15·047	-47·719	1·50	47·5874	8·9	...	221	+ 5·280	-22·319	-5	M	...	281	+17·796	+ 4·706	1·00	46·6228	9·5
†	14·187	+9·887	1·40	46·6189	9·2	*	5·287	+55·816	2·00	45·6276	8·2	...	18·156	-49·535	-2	47·5900	10·2		
...	14·177	+42·414	-2	...	...	+	5·336	-14·921	1·80	47·5888	9·2	...	18·177	+37·479	-2	...	...
*	13·938	+56·474	1·20	45·6249	9·5	...	5·649	-8·365	0·75	47·5889	9·9	...	18·296	+53·232	-4	...	...
...	13·906	+2·350	0·65	46·6190	10·2	...	5·742	+27·036	-1	...	...	S *	18·345	-11·106	1·20	47·5901	9·0
S *	-13·803	-59·479	3·15	47·5875	7·1	...	+ 6·034	+33·163	-2	...	...	...	+18·434	-4·728	0·85	46·6229	9·9
...	13·522	-24·944	-2	...	...	...	6·481	-37·957	-4	...	...	...	18·542	-35·865	0·70	47·5902	9·8
*	13·329	-48·422	0·95	47·5876	9·5	*	6·952	+41·185	1·40	46·6208	9·2	...	18·581	+12·801	-2	46·6230	10·2		
...	13·228	+57·262	0·65	...	...	...	7·117	+4·843	0·70	46·6209	10·0	...	19·021	+13·218	-2	46·6231	10·2
...	13·052	-16·868	-2	...	...	S *	7·265	+33·811	1·65	46·6210	9·0	...	19·191	+ 0·682	-3	46·6232	10·0
171	*	-12·858	+13·141	1·20	46·6191	9·4	...	231	+ 8·056	-11·412	-4	M	...	291	+19·518	+28·389	-4
...	12·739	+13·521	0·65	46·6192	10·2	...	8·390	+ 4·666	0·80	46·6211	9·6	...	19·758	-36·481	-4	...	...
S *	12·621	+51·511	1·75	46·6193	8·6	M	8·524	+ 0·453	0·90	46·6212	9·6	...	20·133	-37·917	1·55	47·5903	8·8		
...	12·589	+4·361	-3	...	...	...	9·343	+54·427	0·80	45·6281	9·6	...	20·246	-57·812	-5	...	...
...	12·371	+49·616	0·65	46·6194	10·2	...	9·719	+48·712	-1	...	...	...	20·642	+24·845	1·10	46·6233	9·5
...	-12·128	-55·234	-3	...	...	...	+10·468	-32·058	0·65	...	...	...	+20·692	+ 1·018	0·90	46·6234	9·6
...	11·470	-18·327	-2	...	...	...	10·534	+14·640	0·80	46·6213	9·6	...	21·308	+35·041	-3	...	...
...	11·060	+11·994	-4	...	...	...	10·725	-40·277	-2	...	...	...	21·349	-48·109	-3	47·5904	10·2
...	11·022	+22·498	0·65	...	...	...	10·898	+ 7·440	0·90	46·6214	9·6	*	21·581	-45·433	1·00	47·5905	9·5
...	10·999	+ 0·413	-1	α	...	...	11·045	+14·526	-5	...	...	...	21·696	+27·249	-3	...	...

141, 142. C.P.D., possibly mass.

256, 259. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
301-360																	
301	+21°921	-47°420	1°10	47.5906	9·4	361	* +37°575	-37°267	1°15	47.5922	9·0	421	* +52°960	-56°601	1°90	47.5940	8·6
...	22°443	+19°328	-3	...	...	...	* 37°601	+16°293	1°15	46.6247	9·4	...	* 53°031	-38°545	1°35	47.5939	9·2
...	22°676	-47°677	-3	...	...	...	37°613	+38°410	-4	...	...	...	53°066	+2°706	-2	46.6265	10·2
S*	22°765	-54°327	1°25	47.5907	9·2	...	37°705	+7°605	-2	...	...	...	53°272	+16°589	0·65	46.6264	10·2
...	22°856	-38°084	-4	...	...	...	38°106	+39°735	-1	...	...	...	53°879	+54°305	-4	...	...
...	+22°970	-57°555	-5	...	...	...	+38°290	-39°492	0·75	47.5924	10·2	...	+54°095	+48°282	-5	...	...
...	23°299	-54°589	-5	...	...	*	38°453	-6°517	1°25	46.6248	9·0	...	54°159	+52°600	-4	45.6320	10·2
...	23°461	-9°898	-4	...	...	...	38°508	-47°579	0·70	47.5925	10·2	S†	54°242	+49°843	2·70	46.6266	8·1
...	23°631	+24°239	-3	...	...	...	38°526	-14°388	-2	47.5923	10·2	...	54°306	-19°004	-5	...	...
...	24°445	+25°098	0·80	46.6235	9·6	*	38°562	+3°826	1·20	46.6249	9·0	*	54°451	-56°767	1·60	47.5941	9·0
311	+24°599	+11°950	-5	...	...	371	* +38°888	+8°845	1°10	46.6250	9·4	431	+54°631	-4°934	0·65	46.6267	10·2
...	25°240	-4°685	-3	46.6236	10·2	...	39°063	-33°224	-4	...	...	...	54°655	+35°738	-5	...	...
...	26°219	-22°966	-4	...	...	*	39°145	-8°294	1°15	47.5926	9·4	...	54°798	-43°784	0·70	47.5942	10·2
...	26°439	-15°665	0·75	47.5908	10·0	...	39°212	+44°647	0·70	46.6251	10·2	...	55°439	-27°956	0·90	47.5943	9·9
...	26°867	+58°217	-3	45°6290	10·2	S*	39°585	+40°129	2·65	46.6252	8·1	...	55°524	+31°864	-4	...	...
...	+27°111	+52°550	0·70	45°6291	10·2	...	+40°169	+12°902	0·70	46.6253	10·2	...	+56°109	+40°346	-5	...	...
...	27°465	+17°694	0·80	46.6237	10·0	...	40°432	-37°531	0·75	47.5927	10·0	...	56°731	+12°250	-4	...	...
*	27°642	-33°260	1°25	47.5909	9·2	†	40°547	+4°923	-3	...	...	...	56°866	-47°165	-2	47.5945	10·2
...	27°919	-25°462	-3	...	...	...	41°327	-18°226	0·65	...	...	...	57°032	+52°320	-5	...	...
...	27°992	-49°516	-4	...	...	...	41°345	-25°783	-1	47.5928	10·2	...	57°092	+15°047	-3	...	...
321	+28°735	-21°591	-4	...	...	381	+41°678	-51°396	-2	...	...	441	+57°338	+20°760	-3	...	...
*	28°762	+19°421	1°15	46.6238	9·2	...	41°767	-23°400	0·90	47.5929	9·6	...	57°880	+7°085	-3	...	...
...	29°320	+57°688	0·95	45.6294	9·8	...	42°008	+24°135	-1	...	...	...	57°906	+4°218	-5	b	...
*	29°430	+48°971	1·00	46.6239	9·6	...	42°237	-34°077	0·80	47.5930	9·9	...	58°640	+17°310	-4	...	...
...	30°193	+49°387	0·70	46.6240	10·2	...	42°656	+0·663	-5	b	...	...	58°788	-23°136	-5	...	...
...	+30°465	-40°883	0·70	...	...	...	+42°755	-48°881	-3	...	...	*	+58°979	-41°856	1·25	47.5946	9·4
n	30°568	-43°336	0·65	47.5911	10·0	...	43°217	-5°280	0·65	...	...	*	59°186	+35°201	1·25	46.6268	9·3
n	30°598	-43°520	0·70	47.5911	10·0	*	43°239	-49°399	1·20	47.5931	9·4	...	59°218	+1·874	-5	a	...
...	30°704	+17°334	-2	...	...	...	43°279	+48°283	0·75	46.6254	10·0	*	59°438	+14°313	1·00	46.6269	10·0
...	31°032	-5°471	0·75	46.6241	10·0	*	43°395	+5°788	1·00	46.6255	9·6	...	59°502	-27°142	-5	...	...
331	+31°105	-27°568	-4	...	...	391	+43°529	-25°016	0·65	...	...				
*	31°963	-9°271	1·00	47.5912	9·3	...	44°164	+49°526	-4	...	...				
...	32°051	+22°281	0·80	46.6242	9·6	*	44°725	-14°652	1·00	47.5932	9·6						
*	32°322	-29°441	0·85	47.5913	9·6	†	45°078	-13°458	-4	...	...				
*	32°444	-33°904	1·00	47.5914	9·6	†	45°107	+10°866	0·75	46.6256	10·0						
...	+32°642	+56°199	-2	...	...	...	+46°536	+13°348	-5	...	...				
...	32°763	+33°878	0·65	46.6243	10·2	*	46°661	+0·252	1·70	46.6257	8·7						
...	32°764	-29°834	-1	...	...	...	46°741	+10°324	-4	...	...				
†	32°874	+19°852	-1	...	...	...	46°804	+46°198	-3	...	...				
...	33°144	-25°511	0·70	47.5916	10·2	...	47°972	+56°379	-5	a	...						
341	+33°333	-28°294	-2	...	...	401	+48°566	-11°264	-5	...	...				
...	33°737	-37°619	-5	...	...	...	48°609	+33°205	-5	...	...				
...	34°037	+57°502	-1	45.6298	10·2	...	48°823	-9°430	-4	...	...				
...	34°054	-56°245	-2	47.5917	10·2	...	48°833	-48°011	-3	47.5933	10·2						
...	34°064	-35°173	-5	...	...	...	48°846	-9°795	-3	...	...				
...	+34°167	+10°035	0·65	46.6244	10·2	...	+49°341	-56°345	-5	...	...				
...	34°260	-12°304	-4	...	...	...	49°864	-6°178	0·75	46.6258	10·0						
...	34°718	-22°695	0·70	47.5918	10·2	...	50°390	+45°736	-5	...	...				
...	34°720	+44°256	-2	...	...	...	50°448	+3°410	-2	46.6259	10·2						
†	35°081	+3°191	0·65	...	...	*	50°605	-48°930	1·20	47.5934	9·6						
351	* +35°355	+22°899	1·30	46.6245	9·0	...	+51°206	+38°913	-3	46.6260	10·2						
...	35°507	-30°255	0·70	...	...	...	51°468	-56°357	0·65	47.5936	9·9						
*	35°996	-22°163	0·90	47.5920	9·6	*	51°547	+8·867	1·05	46.6263	9·5						
...	36°122	-26°015	-2	...	...	...	51°625	-8°792	-5	...	...				
*	36°138	-45°181	0·95	47.5921	9·6	*	51°840	+43°581	1·45	46.6261	9·2						
N	+36°335	+53°560	-3	d	...	*	+51°851	+38°073	1·50	46.6262	9·2						
...	36°471	+1°064	-3	...	...	S*	51°904	-26°163	1·75	47.5935	8·5						
...	36°721	-17°269	-4	...	...	*	52°166	-47°771	1·15	47.5937	9·6						
...	37°136	+16°563	0·75	46.6246	9·6	*	52°603	-29°697	1·05	47.5938	9·4						
...	37°146	-41°721	0·70	...	...	...	52°730	-20°713	-3	...	...				

327, 328. C.P.D., suspected double.
356. Var.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		
1-60						61-120						121-180							
I	-59·810	-23·701	0·90	47·5929	9·6	61	,	-37·914	-11·894	-4	0	...	121	-18·270	+29·466	0·90	46·6289	9·9	
†	59·112	+ 5·536	0·90	46·6255	9·6	...	36·328	+13·582	0·75	46·6277	9·9	...	121	18·091	-51·925	-4	...	...
...	59·008	-34·351	0·80	47·5930	9·9	*	36·158	-42·256	1·05	47·5952	9·9	...	121	18·021	-28·527	-4	...	...
...	58·946	- 5·536	- 5	...	...	36·015	- 1·949	- 5	...	...	...	...	121	17·575	-26·803	-5	...	...
†	58·017	-25·255	- 2	...	...	35·810	+52·960	- 5	...	...	...	...	121	16·671	+26·304	-5	...	...
...	-57·568	+10·665	0·65	46·6256	10·0	...	-35·527	-57·615	- 5	...	...	...	121	-16·397	-8·041	-2	...	...
*	57·523	-49·616	1·15	47·5931	9·4	...	35·106	-14·211	0·65	47·5954	10·2	...	121	15·949	+12·474	-1	...	...
...	57·137	-14·845	0·90	47·5932	9·6	†	34·951	- 4·627	- 3	46·6278	10·2	...	121	15·877	-44·916	0·75	47·5965	10·2	
...	56·824	-13·655	- 5	...	...	34·936	+21·050	- 5	...	...	...	...	121	15·729	+29·917	-2	...	...
*	55·651	+ 0·110	1·50	46·6257	8·7	...	34·564	-28·277	- 4	...	...	...	121	14·936	-56·492	1·30	47·5966	9·2
II	-53·202	- 9·496	- 5	...	...	71	-34·315	+19·447	- 3	...	...	...	131	-14·871	+ 7·075	0·70	46·6290	10·2
...	53·175	- 9·866	- 3	...	...	...	33·779	-23·751	- 5	...	...	...	131	14·812	- 1·761	- 4	...	...
...	52·355	+38·879	- 5	46·6260	10·2	...	33·693	+55·195	- 5	...	...	...	131	14·385	+27·581	0·90	46·6291	9·9
...	52·272	- 6·214	0·65	46·6258	10·0	...	33·693	+41·301	- 4	...	...	...	131	13·743	- 2·309	1·50	46·6292	8·9
...	51·994	+ 3·383	- 3	46·6259	10·2	...	32·907	+56·854	- 5	...	...	...	131	13·573	+ 5·923	- 5	...	...
...	-51·962	-48·059	- 5	47·5933	10·2	...	-32·852	-26·130	0·85	47·5955	10·0	...	131	-13·089	+25·012	-1	...	...
*	51·874	+43·576	1·70	46·6261	9·2	N	32·841	-26·670	0·65	...	...	...	131	12·869	+ 6·162	0·80	46·6293	10·2
*	51·694	+38·066	1·50	46·6262	9·2	...	32·557	-32·792	- 4	...	...	...	131	12·794	-55·945	1·20	47·5967	9·4
*	51·069	+ 8·866	1·05	46·6263	9·5	...	32·395	+17·235	0·75	46·6279	10·2	...	131	11·934	+ 4·869	- 3	...	...
...	50·162	-48·926	1·05	47·5934	9·6	S*	32·162	- 3·911	2·95	46·6280	7·1	*	131	11·829	-31·204	1·40	47·5968	9·4	
21	-49·849	+52·667	- 5	45·6320	10·2	*	81	-31·480	-10·798	1·50	47·5956	8·9	...	141	-11·046	+37·880	- 5
S*	49·679	+49·909	2·60	46·6266	8·1	...	31·398	+ 7·288	- 5	...	...	...	141	10·929	+33·127	- 4	...	...
...	49·593	+16·648	- 2	46·6264	10·2	...	29·385	+26·273	- 4	...	...	...	141	10·846	-44·368	- 5	...	...
S*	49·586	-26·123	1·55	47·5935	8·5	...	29·237	+43·121	- 4	...	...	...	141	10·777	+53·666	- 4	...	...
...	49·363	+ 2·761	- 4	46·6265	10·2	...	28·944	- 5·424	- 2	...	...	...	141	10·144	+ 4·104	- 2	...	...
...	-49·080	-56·314	- 3	47·5936	9·9	...	-28·312	+45·974	0·65	46·6282	10·2	†	141	-10·104	+21·902	0·65	46·6294	10·1	
...	48·948	-20·662	- 5	...	...	...	28·277	+28·146	0·85	46·6281	10·2	...	141	9·711	+ 7·913	- 3	...	...
*	48·786	-29·634	1·10	47·5938	9·4	...	28·263	+35·574	- 5	...	...	...	141	9·701	- 4·166	- 4	...	...
...	48·648	-47·716	1·05	47·5937	9·6	...	27·514	+35·317	- 5	...	...	...	141	9·614	-29·677	- 3	...	...
*	48·078	-38·463	1·30	47·5939	9·2	...	27·393	-60·046	- 3	...	...	...	141	9·466	- 9·630	- 4	...	...
31	-47·567	-56·506	1·70	47·5940	8·6	...	91	-27·232	-59·717	1·05	47·5957	10·0	...	151	- 9·239	-10·919	- 2
...	47·553	- 4·822	- 2	46·6267	10·2	...	27·215	-38·411	- 2	...	...	...	151	8·859	- 2·091	- 1	...	...
...	46·144	-43·635	- 1	47·5942	10·2	...	27·135	-26·363	- 3	...	...	...	151	8·693	+17·567	0·95	46·6295	9·6
*	46·080	-56·630	1·60	47·5941	9·0	...	26·723	-50·621	- 2	...	...	...	151	8·689	-33·613	- 1	...	...
...	45·998	-27·809	0·65	47·5943	9·9	S*	25·755	+25·384	1·60	46·6283	8·4	...	151	8·679	+55·374	- 2	...	...
...	45·979	+12·410	- 5	...	...	...	-25·611	-35·349	- 2	...	...	...	151	7·928	-41·136	- 3	...	...
...	45·717	+15·226	- 4	...	...	...	25·595	+ 7·690	- 3	...	...	...	151	7·770	+32·767	- 3	...	...
...	45·634	+20·932	- 5	...	...	...	25·248	- 5·877	- 1	46·6284	10·2	...	151	7·605	- 7·561	- 5	...	...
...	44·679	+ 7·293	- 5	...	...	...	25·162	+11·700	- 5	...	...	...	151	7·505	+30·365	- 5	m	...
*	44·268	+35·433	1·10	46·6268	9·3	†	25·038	+ 8·739	- 4	...	...	...	151	7·221	-16·645	- 3	...	...
41	-43·978	-46·958	- 3	47·5945	10·2	+	101	-24·893	-40·657	0·90	47·5958	9·7	...	161	- 7·019	- 2·658	0·90	46·6296	9·7
...	43·357	+14·564	0·75	46·6269	10·0	*	24·875	- 1·504	0·90	46·6285	9·9	...	161	7·014	+33·052	- 4	...	...
...	42·852	+50·878	- 2	46·6270	10·0	...	24·791	+58·184	0·90	45·6340	9·4	...	161	6·269	+58·241	- 2	45·6349	10·2	
...	42·811	-22·876	- 5	...	...	S*	24·588	-55·680	1·35	47·5959	9·4	...	161	5·767	- 4·145	- 4	...	...
...	42·099	+ 8·665	0·65	46·6271	9·9	*	24·144	-26·602	1·40	47·5960	8·9	...	161	5·369	+ 4·404	- 3	...	...
...	-42·026	-41·588	1·15	47·5946	9·4	...	-23·285	-33·585	- 2	47·5961	10·2	...	161	5·234	+51·442	- 3	...	...
...	41·780	+ 6·647	- 2	...	...	...	22·552	+ 7·243	- 3	...	...	...	161	5·233	+44·035	- 3	...	...
*	41·668	+28·073	1·00	46·6273	9·5	...	22·465	+ 2·260	0·70	46·6286	10·2	...	161	4·922	- 4·572	- 4	...	...
...	41·615	+28·390	- 4	46·6272	10·2	...	22·454	+11·379	0·75	46·6287	10·2	...	161	4·759	- 1·219	0·75	46·6297	10·0	
*	41·489	+18·166	1·05	46·6274	9·4	N	21·969	- 8·368	- 4	...	...	*	161	4·441	+28·628	1·10	46·6298	9·6
51	-40·799	+ 9·766	0·90	46·6275	9·5	...	111	-21·716	-36·219	0·85	47·5962	10·2	...	171	- 4·383	-30·395	- 5
...	40·731	- 3·884	- 5	...	...	...	21·293	+16·921	- 5	...	...	...	171	4·182	+50·175	- 3	46·6299	10·2
...	40·481	+45·710	0·90	46·6276	9·6	*	21·260	-41·964	1·10	47·5963	9·4	...	171	3·943	+ 1·315	- 3	m	...	
...	40·143	- 8·260	- 2	47·5947	10·2	*	21·077	+31·276	0·90	46·6288	9·9	...	171	3·935	+13·615	- 3	...	...
*	39·678	-21·446	1·25	47·5948	8·8	...	20·982	- 5·119	- 2	...	...	...	171	3·358	+40·597	0·85	46·6300	9·9
*	-39·371	-35·309	1·35	47·5949	9·0	...	-19·587	- 6·608	- 5	...	...	...	171	3·093	+41·325	- 4	...	...
...	38·701	-28·759	- 1	47·5950	10·0	*	19·396	-34·314	1·00	47·5964	9·7	...	171	2·950	-19·259	- 5	m	...	
...	38·626	-59·460	- 5	...	...	...	19·114	+37·301	- 5	...	...	...	171	2·685	-18·331	- 4	m	...
...	38·596	-36·991	- 4	47·5951	10·2	...	18·921	+23·092	- 4	...	...	...	171	2·544	-38·554	- 5	m	...
...	38·530	-37·006	- 5	...	...	...	18·852	+28·848	0·70	...	...						

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
181-240																	
181	-2.009	-19.720	0.75	47.5969	10·1	241	* +10.796	+38.841	1·15	46.6316	9·1	301	* +30.020	-1.436	1·15	46.6323	9·4
...	1.958	-23.694	-4	...	...	...	10.999	+40.596	-5	...	...	...	30.155	-10.534	-1	47.5990	10·2
†	1.920	+19.634	0.80	46.6301	10·1	...	11.004	+11.487	-5	...	...	...	30.588	+0.981	-5	...	...
*	1.709	-23.997	1·20	47.5970	9·0	...	12.258	-14.596	-3	...	...	...	30.747	+7.741	-4	...	...
...	1.514	+34.491	0.65	46.6302	10·1	...	12.357	+42.443	-5	...	...	...	30.900	+34.098	1·30	46.6324	9·0
...	-1.212	-58.911	-5	...	...	...	+12.440	+43.614	-4	...	...	...	+31.769	+10.137	-3	...	...
...	1.088	-37.330	-5	m	...	*	13.184	-24.050	0·90	47.5978	9·9	...	31.900	-41.222	-2	47.5992	10·2
...	0.286	+8.777	-3	...	...	...	13.254	+13.244	0·75	46.6317	10·1	...	31.939	-7.567	-5	...	...
...	0.260	-11.592	-4	...	...	...	13.379	+14.027	-2	...	...	...	31.942	-33.344	-3	...	...
...	0.135	-21.620	-5	...	...	...	13.610	+20.148	-4	...	...	...	32.047	-58.219	-5	...	...
191	-0.025	-47.015	-2	...	...	251	+14.601	+38.556	-5	...	...	311	+32.185	+35.523	-5	...	...
†	-0.005	-39.475	0·80	47.5971	9·6	...	14.990	-6.086	-5	...	...	...	32.234	-11.061	-4	...	...
+	0.146	+3.707	-1	46.6303	10·2	...	15.040	+53.485	-1	45.6362	10·1	...	33.392	+58.394	-4	...	...
...	0.279	-5.029	-3	...	...	...	15.042	-3.511	-2	...	...	...	33.873	+18.961	0·65	46.6325	10·1
S*	0.666	+38.658	3·00	46.6304	7·0	...	15.096	+25.889	-4	...	...	...	33.886	-47.280	-3	...	...
+	0.775	-6.608	0·65	46.6305	10·0	...	+15.157	-11.881	-4	...	...	*	+34.237	-22.779	0·95	47.5993	9·6
...	1.006	-24.328	-4	...	...	*	15.551	-13.318	1·30	47.5979	9·1	...	35.115	-54.056	-5	...	...
...	1.077	-24.264	-4	...	...	...	15.689	+31.915	-2	...	...	...	35.198	-40.346	-5	...	...
...	1.368	-38.663	-3	...	...	...	15.693	-47.569	-5	...	...	...	35.337	-26.106	-5	b	...
...	1.434	-34.052	-5	...	...	†	15.853	-0.288	-4	...	...	...	35.574	+14.807	-2	46.6326	10·2
201	+1.515	+51.978	-4	...	...	261	+17.009	-51.013	1·10	47.5980	9·4	321	+35.695	-6.631	-4	...	...
...	1.550	-17.521	-4	...	...	...	17.149	+53.243	-3	...	...	...	35.833	-20.643	-5	...	...
...	1.623	+16.477	-2	...	...	...	17.373	-0.818	-5	a	...	...	35.915	-29.699	-1	47.5994	10·2
...	1.737	-46.129	-4	...	...	...	17.571	+9.522	-5	...	...	*	35.935	-39.308	1·10	47.5995	9·4
...	2.050	-24.251	-3	...	...	...	17.746	-19.140	-1	...	...	...	36.015	+42.488	1·05	46.6327	9·7
+	2.170	+16.300	-4	...	...	...	+18.492	-36.088	0·85	47.5981	10·2	...	+36.873	+18.337	-4	...	...
*	2.308	+41.132	0·95	46.6306	9·6	...	19.154	+51.016	-5	...	...	*	36.936	+5.112	0·95	46.6328	9·6
...	2.461	+30.703	-5	...	...	...	19.426	-49.603	-4	...	...	...	36.959	-4.860	-3	...	...
...	2.693	-31.850	-3	...	...	†	19.431	-25.244	3·50	47.5982	7·1	...	37.375	+6.322	-1	...	...
...	3.179	-41.089	-4	...	...	...	19.944	+26.415	0·75	46.6318	10·0	...	37.378	+51.458	-3	...	...
211	+3.188	+44.196	0·90	46.6307	9·7	271	+19.987	-24.957	-1	...	...	331	+38.057	+40.285	-4	...	...
...	3.548	-49.933	-2	...	...	...	20.346	+11.027	-4	...	...	...	38.281	-36.292	-5	...	...
...	3.705	+20.679	-5	...	...	...	21.576	-15.372	-4	...	...	*	38.543	-4.893	1·15	46.6329	9·3
...	3.980	-39.750	-5	...	...	...	21.698	+30.977	-1	46.6319	10·1	...	38.568	+39.292	-3	...	...
...	4.085	+8.709	-4	...	...	...	22.474	-3.599	-4	...	...	...	38.725	+28.275	-4	...	...
+	5.203	-4.118	-4	...	...	...	+22.479	+48.706	-2	46.6320	10·2	...	+38.729	-39.236	-4	...	...
...	5.242	-41.257	-2	47.5973	10·2	...	22.717	-30.027	-2	...	...	...	39.156	+9.272	-5	a	...
...	5.245	-17.740	-5	...	...	...	23.688	+31.916	-5	...	...	...	39.338	+6.476	-3	...	...
...	5.651	-11.714	-1	47.5974	10·2	...	23.972	+7.748	-1	...	...	...	39.395	-32.340	-5	...	...
S*	5.998	-7.206	1·40	46.6308	8·8	...	24.166	+20.245	-4	...	...	...	39.704	-37.424	-4	...	...
221	+6.446	-27.444	-2	47.5975	10·2	281	+24.203	+26.526	-1	46.6321	10·2	341	+39.732	-28.440	0·80	47.5997	10·1
*	6.751	-25.628	1·00	47.5976	9·4	...	24.291	+31.202	-3	...	...	*	39.904	+51.783	1·60	46.6330	9·0
...	7.011	-26.447	-4	...	...	...	24.338	+1.945	-4	...	...	...	40.013	-46.942	0·95	47.5998	10·0
...	7.023	+37.907	-2	46.6309	10·2	...	24.466	-22.077	-4	...	...	...	40.120	-4·571	-5	...	...
*	7.336	+49.496	1·00	46.6310	9·7	...	24.708	-16.841	-3	...	...	...	40.529	+36.647	-4	...	...
+	7.374	-2.415	-2	...	...	...	+24.951	+16.952	-4	...	...	*	+40.565	-32.474	1·00	47.5999	9·6
...	7.483	-24.562	-3	...	...	...	25.122	-12.358	-4	...	...	...	40.735	-33.249	-5	...	...
...	7.513	-41.263	-5	...	...	...	25.927	+7.263	-3	...	...	...	41.113	+17.090	-4	...	...
...	7.696	+5.133	-3	...	...	*	25.990	-40.628	1·00	47.5985	9·7	...	41.438	+9.248	-3	...	...
*	8.544	+11.673	0·95	46.6311	9·8	...	26.005	+6.608	0·80	46.6322	10·0	...	41.596	+7.062	-2	46.6331	10·2
231	+8.639	-60.027	-5	...	...	291	+26.394	-5.546	-5	a	...	351	+41.918	+13.419	-3	...	...
...	8.864	+52.038	0·80	46.6312	9·9	...	26.603	+53.634	-2	45.6366	10·2	*	42.090	-50.894	1·30	47.6000	9·4
*	9.040	+17.862	0·95	46.6313	9·6	...	27.280	+12.508	-2	...	...	...	42.535	+41.673	-4	...	...
...	9.042	-34.106	-3	...	...	...	27.917	-53.474	0·90	47.5986	10·0	...	42.848	+31.208	-5	...	...
*	9.347	+21.544	0·95	46.6314	9·4	...	29.341	+12.387	-1	...	...	...	42.909	-17.362	-3	...	...
...	+10.143	+14.479	-2	...	...	...	+29.570	-26.687	0·80	47.5987	10·0	...	+43.070	+15.765	-2	...	...
...	10.332	+2.312	-3	...	...	...	29.588	-33.086	-4	...	...	...	43.413	-54.612	-4	...	...
*	10.439	-39.098	1·35	47.5977	9·1	...	29.594	-30.299	0·70	47.5988	10·1	S+	43.434	-40.136	1·70	47.6001	9·0
...	10.610	+16.984	0·70	46.6315	10·2	*	29.660	-22.181	3·00	47.5989	7·8	...	43.465	+52.713	1·00	45.6381	9·9
...	10.681	-41.262	-4	...	...	+	29.908	-15.928	1·25	47.5991	8·8	...	43.571	-32.363	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
361-390																	
361	+43.663	+18.956	-5	o	...	391	+49.725	-37.952	-2	47.6009	10.2	421	+58.678	-39.196	o.75	47.6019	10.1
...	44.324	-5.594	-5	e	...	...	49.868	+7.884	-4	...	...	...	58.773	+17.018	-1	46.6346	10.1
†	44.517	-5.215	-3	...	...	...	50.052	+34.576	-4	...	...	...	59.212	+0.058	-3	e	...
...	44.646	-25.793	-1	47.6002	10.2	...	50.163	+30.292	-1	46.6342	10.2	N	59.3	+2.1	*	46.6348	neb
*	44.974	-7.019	1.50	46.6332	9.0	...	50.343	+48.892	-3	46.6341	10.2	...	59.486	+21.488	-3	46.6347	10.2
†	+45.018	+44.673	-5	...	...	...	+50.995	+46.104	-3	46.6343	10.2	S*	+59.508	+10.894	2.25	46.6349	8.4
...	45.268	+1.047	-3	...	...	...	51.113	-35.950	-5	e	...	...	59.602	+0.474	-4	e	...
...	45.317	+54.270	-2	45.6386	9.9	...	51.233	-56.277	-3	47.6012	10.2	*	59.688	-56.316	1.40	47.6020	9.4
...	45.521	+27.790	-5	...	...	...	51.568	+53.262	-4	45.6393	10.2						
...	45.629	-42.612	0.65	47.6003	10.0	...	51.607	-20.654	-4	...	...				
371	*+45.890	+3.117	1.00	46.6334	9.6	401	+52.114	+16.563	-4	...	...				
†	46.276	+14.792	-3	46.6335	10.2	...	52.336	+3.986	-3	...	...				
...	46.297	+3.126	-3	...	...	...	52.437	+7.116	0.90	...	...				
...	46.356	+55.598	-3	45.6387	10.1	...	53.160	-9.522	0.75	47.6013	10.2						
...	46.508	+51.131	0.90	46.6333	9.6	*	53.413	-50.132	1.30	47.6015	9.4						
*	+46.522	+31.573	1.30	46.6336	9.4	...	+53.740	-52.820	-5	...	...				
*	46.666	+51.644	1.80	46.6337	9.0	*	53.858	-16.295	1.10	47.6014	9.6						
...	46.697	+7.954	-4	...	...	...	54.178	-50.980	0.80	47.6016	9.7						
...	46.891	-33.999	-3	...	...	...	54.374	-19.165	-5	...	...				
...	46.969	-6.984	0.85	46.6338	9.8	*	54.740	-44.776	1.60	47.6017	9.2						
381	+47.612	-20.532	-1	47.6004	10.2	411	+55.124	-0.060	-2	e	...						
*	47.791	-3.294	0.90	46.6339	9.7	...	55.611	-9.648	-4	...	...				
...	48.257	+19.525	-5	...	...	*	56.187	+14.298	1.00	46.6345	9.8						
S*	48.339	+1.110	-5	...	...	...	56.262	-9.274	-1	...	...				
*	48.489	-18.223	2.30	47.6005	7.9	...	56.305	+37.818	-3	46.6344	10.2						
*	+48.501	-44.053	1.60	47.6006	9.1	...	+56.693	+4.706	-4	e	...						
...	49.308	-13.802	-4	...	...	...	57.049	+55.662	-3	45.6398	9.9						
...	49.342	-51.341	-1	47.6007	10.1	†	57.171	-35.029	-4	...	...				
...	49.365	-27.182	-3	...	...	...	57.651	-0.274	-4	e	...						
*	49.560	-0.629	1.90	46.6340	8.3	...	58.569	-23.873	-2	...	...				

424. ω Centauri.

1-20					21-40					41-60							
I	-59.831	-31.540	-5	o	...	21	-57.696	+27.593	-2	o	...	41	-56.083	+5.409	-5	o M	...
...	59.794	+10.414	-5	M	...	...	57.691	+50.725	-5	M	...	...	55.890	+7.801	-2	...	...
†	59.773	+15.504	-1	...	...	...	57.636	-5.432	0.75	...	...	...	55.420	+31.371	-5	M	...
...	59.333	-0.080	-5	M	...	S*	57.596	-40.369	1.80	47.6001	9.0	...	55.376	+38.738	-3	...	...
...	59.284	+18.710	-4	...	...	*	57.457	+50.955	1.00	46.6333	9.6	...	55.337	-42.783	0.90	47.6003	10.0
...	-59.016	-27.508	-4	...	...	...	-57.364	-6.131	-4	M	...	*	-55.117	-7.114	1.00	46.6338	9.8
...	58.861	-17.628	0.75	...	...	*	57.317	+51.465	1.70	46.6337	9.0	...	54.787	+11.249	-5	M	...
*	58.750	+54.061	1.10	45.6386	9.9	...	57.171	-54.841	-2	...	...	...	54.787	-6.637	-3	...	...
...	58.742	+44.452	-2	...	...	*	57.101	-7.229	1.50	46.6332	9.0	...	54.774	-2.202	-4	M	...
*	58.601	-51.176	1.40	47.6000	9.4	...	57.097	+0.843	-1	...	...	...	54.703	+19.413	-3	...	...
II	-58.518	+59.797	-2	...	...	31	-57.062	+50.791	-4	...	...	51	-54.671	-30.247	-3	...	...
...	58.488	-26.976	-4	...	...	...	56.856	-26.005	0.90	47.6002	10.2	...	54.645	+6.782	-3	...	...
...	58.196	+39.473	-5	M	...	*	56.827	+31.409	1.30	46.6336	9.4	...	54.586	+16.711	-5	M	...
...	58.181	+6.324	-4	M	...	...	56.724	+8.071	-5	M	...	...	54.536	+32.475	-4	M	...
...	57.958	+12.989	-5	M	...	*	56.537	+2.947	1.30	46.6334	9.6	*	54.436	-3.399	1.10	46.6339	9.7
...	-57.869	+28.776	-4	M	...	...	-56.522	-23.652	-5	M	...	...	-54.433	-18.733	-4	M	...
...	57.834	-5.807	-3	E	...	...	56.521	+14.609	0.85	46.6335	10.2	...	54.357	-34.125	0.70	...	...
...	57.743	+55.429	0.85	45.6387	10.1	...	56.343	-22.338	-4	M	...	...	54.050	-20.641	0.80	47.6004	10.2
...	57.719	-32.597	-1	...	...	...	56.312	+30.301	-4	M	...	...	54.030	+1.032	-3	...	...
...	57.707	+10.660	-5	M	...	...	56.132	+2.956	-1	...	...	...	53.718	+9.575	-5	M	...

MC measured from 1, 125, 270, 397, 485, 552, 618, 687, 760, 833, 904, 967.
ES .. 47, 193, 336, 440, 519, 586, 646, 735, 795, 864, 933, 995.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
61-120																		
61	-53° 646	+ 3° 617	- 5	M	...	121	-50° 110	+ 4° 016	0° 65	o	...	181	-45° 857	+ 9° 341	- 5	o M	...	
...	53° 562	-50° 422	- 3	...	...	...	50° 071	-20° 639	0° 65	...	...	...	45° 796	+ 4° 879	- 1	E	...
...	53° 549	+48° 833	1° 15	46.6341	10° 2	...	50° 065	-35° 953	- 3	E	...	...	45° 768	- 9° 124	0° 90	...	...
...	53° 408	- 1° 813	- 5	M	...	...	50° 023	+22° 772	- 4	M	...	...	45° 747	- 3° 566	- 5	M	...
...	53° 383	+34° 520	0° 70	...	...	...	49° 816	+ 5° 578	- 4	M	...	...	45° 737	+ 2° 868	- 4	M	...
...	-53° 327	+ 2° 783	- 5	M	...	...	-49° 694	-18° 047	- 4	...	...	...	-45° 571	+ 1° 491	- 4	M	...
S *	53° 239	-18° 305	2° 80	47.6005	7° 9	...	49° 621	-2° 036	- 4	M	...	...	45° 516	+ 3° 714	- 3	A	...
...	53° 143	+14° 838	- 5	M	...	...	49° 425	+ 3° 543	- 4	...	...	...	45° 441	+ 3° 390	- 3	A	...
...	53° 123	+ 2° 643	- 4	M	...	...	49° 404	+ 7° 062	- 5	M	...	...	45° 398	+26° 151	- 4	M	...
...	53° 122	+3° 240	0° 95	46.6342	10° 2	...	49° 365	+ 3° 014	- 5	M	...	...	45° 275	-30° 442	- 3	A	...
71	-52° 937	- 7° 817	- 5	M	...	131	-49° 289	-56° 262	- 1	47.6012	10° 2	...	-45° 261	+11° 001	- 5	M	...	
...	52° 867	+ 2° 234	- 4	M	...	...	49° 244	-10° 280	- 3	A	...	...	45° 183	+10° 810	- 4	M	...
...	52° 810	+46° 073	1° 15	46.6343	10° 2	...	49° 127	+ 5° 134	- 3	A	...	...	44° 936	- 0° 896	- 4	M	...
...	52° 765	+27° 949	- 4	M	...	...	49° 120	+10° 824	- 5	M	...	...	44° 702	+40° 712	- 5	M	...
*	52° 746	- 0° 679	2° 00	46.6340	8° 3	...	49° 118	- 0° 473	- 5	M	...	...	44° 691	- 0° 075	- 2	E	...
...	-52° 706	+ 7° 839	- 1	...	...	...	-48° 970	+ 2° 393	- 4	M	...	...	-44° 673	+27° 876	- 3	...	...
...	52° 643	-35° 449	- 5	M	...	...	48° 917	+ 5° 357	- 4	...	...	...	44° 477	- 4° 171	- 5	M	...
...	52° 609	- 4° 078	- 5	M	...	...	48° 866	- 9° 438	0° 85	47.6013	10° 2	...	44° 234	-13° 067	- 5	M	...
...	52° 591	-13° 856	- 2	...	...	...	48° 842	+ 1° 980	- 4	M	...	...	44° 117	+17° 253	0° 90	46.6346	10° 1
...	52° 529	+14° 167	- 4	M	...	...	48° 841	+ 6° 150	- 4	M	...	...	44° 113	- 5° 238	- 5	M	...
81	-52° 473	+53° 247	1° 20	45.6393	10° 2	141	-48° 659	+ 3° 727	- 3	...	...	...	-44° 043	-34° 829	0° 70	...	...
...	52° 438	+ 3° 804	- 4	M	...	...	48° 567	+ 1° 340	- 4	M	...	...	44° 030	- 2° 217	- 5	M	...
...	52° 422	+ 8° 702	- 5	M	...	...	48° 543	+ 9° 501	- 4	M	...	...	43° 964	+33° 357	- 2	...	...
*	52° 406	-44° 125	1° 70	47.6006	9° 1	...	48° 531	+ 0° 641	- 4	M	...	...	43° 923	+10° 807	- 4	M	...
...	52° 381	+ 0° 563	- 4	M	...	...	48° 502	- 4° 083	- 5	M	...	...	43° 635	+ 7° 583	- 5	M	...
...	-52° 287	- 2° 213	- 5	M	...	...	-48° 197	- 0° 056	- 5	M	...	...	-43° 543	+21° 744	0° 75	46.6347	10° 2
...	52° 097	-27° 223	- 1	...	...	...	48° 128	+ 4° 374	- 4	...	...	...	43° 431	- 4° 401	- 5	M	...
...	52° 084	+ 3° 172	- 5	M	...	*	47° 944	-16° 199	1° 10	47.6014	9° 6	...	43° 358	+ 3° 759	- 3	A	...	
...	52° 077	+13° 748	- 5	M	...	...	47° 902	- 57° 532	- 4	...	...	...	43° 275	+11° 820	- 5	M	...
...	52° 002	+ 7° 794	- 5	M	...	...	47° 884	+ 0° 815	- 4	M	...	...	43° 266	+16° 674	- 5	...	...
91	-51° 993	+ 2° 630	- 5	M	...	151	-47° 755	+14° 314	- 4	S *	-43° 166	+11° 156	2° 10	46.6349	8° 4
...	51° 972	- 0° 249	- 5	M	...	...	47° 364	-20° 548	- 4	M	...	...	43° 145	- 1° 449	- 5	M	...
...	51° 814	+13° 478	- 5	M	...	...	47° 342	-19° 049	- 2	...	...	...	43° 139	+18° 881	0° 75	...	...
...	51° 650	- 9° 084	- 3	A	...	*	47° 308	- 50° 039	1° 40	47.6015	9° 4	...	43° 136	+ 0° 332	- 3	E	...	
...	51° 502	- 4° 627	- 3	...	...	...	47° 240	+37° 952	0° 80	46.6344	10° 2	N	43° 1	+ 2° 4	*	46.6348	neb.
...	-51° 477	+22° 532	- 5	M	...	...	-47° 201	+ 0° 074	0° 80	E	...	...	-43° 023	-23° 627	0° 65	...	...
...	51° 429	+21° 898	- 5	M	...	...	47° 187	-11° 676	- 1	...	...	...	42° 968	- 50° 929	- 3	...	...
...	51° 374	-37° 987	0° 80	47.6009	10° 2	...	47° 151	+ 8° 163	- 5	M	...	...	42° 931	+11° 749	- 5	M	...
*	51° 344	-51° 391	1° 10	47.6007	10° 1	*	47° 066	+55° 806	1° 00	45.6398	9° 9	...	42° 833	-36° 397	- 5	M	...	
...	51° 313	+24° 571	- 5	M	...	...	46° 971	-21° 840	- 4	M	...	...	42° 775	- 4° 028	- 5	M	...
101	-51° 137	+ 5° 392	- 5	M	...	161	-46° 920	+47° 884	- 3	...	...	...	-42° 755	+ 0° 738	- 3	E	...
...	51° 111	+13° 056	- 5	M	...	...	46° 907	+24° 773	- 5	M	...	...	42° 724	+ 6° 207	- 4	...	...
...	51° 070	- 5° 320	- 5	M	...	...	46° 881	-52° 734	- 2	...	...	...	42° 673	+ 6° 062	- 3	...	...
...	51° 032	+33° 898	- 4	M	...	...	46° 676	+ 5° 403	- 4	M	...	...	42° 630	+13° 358	- 5	M	...
...	50° 881	+13° 662	- 5	M	...	*	46° 607	+14° 442	1° 00	46.6345	9° 8	...	42° 583	-36° 310	- 5	M	...	
...	-50° 862	+ 1° 619	- 4	...	...	...	-46° 561	+ 6° 238	- 5	M	...	...	-42° 574	+ 5° 399	- 4	M	...
...	50° 751	+16° 577	0° 65	...	...	*	46° 515	-50° 866	1° 00	47.6016	9° 7	†	42° 485	+ 5° 517	- 5	M	...
...	50° 734	+ 4° 035	- 3	...	...	...	46° 432	- 5° 387	- 5	M	...	*	42° 404	-38° 947	1° 00	47.6019	10° 1
...	50° 644	+ 3° 865	- 5	M	...	*	46° 402	- 9° 522	- 3	...	...	...	42° 403	+ 0° 661	- 3	A	...
...	50° 616	- 2° 246	- 5	M	...	...	46° 347	+ 2° 102	- 1	B	...	...	42° 252	- 7° 277	- 5	M	...
III	-50° 605	- 3° 648	- 5	M	...	171	-46° 177	+ 1° 625	- 4	M	...	...	-42° 217	-49° 280	- 5	M	...
...	50° 521	+ 2° 352	- 5	M	...	*	46° 153	-44° 646	1° 60	47.6017	9° 2	...	42° 148	+45° 963	0° 75	...	...
...	50° 516	- 9° 711	- 4	M	...	...	46° 131	+51° 135	- 3	...	...	...	42° 121	- 5° 873	- 5	M	...
...	50° 481	+23° 370	- 4	M	...	...	46° 090	- 2° 409	- 4	M	...	...	42° 120	+40° 559	- 5	M	...
...	50° 430	+ 7° 926	- 4	M	...	...	46° 050	- 1° 146	- 5	M	...	...	42° 110	- 9° 381	- 5	M	...
...	-50° 322	-40° 654	- 5	M	...	...	-46° 028	+ 8° 737	- 4	M	...	*	-42° 075	+22° 550	1° 10	46.6351	9° 6
...	50° 304	+42° 190	0° 65	...	...	...	45° 963	-14° 953	- 5	M	...	...	42° 046	-44° 595	- 4	M	...
...	50° 236	+ 5° 609	- 5	M	...	...	45° 933	+ 1° 495	- 4	M	...	...	41° 974	- 3° 658	- 4	M	...
...	50° 114	+ 9° 230	- 5	M	...	...	45° 876	- 0° 065	- 5	M	...	...	41° 963	+22° 837	0° 65	...	...
...	50° 114	+ 7° 149	0° 90	...	...	...	45° 859	- 6° 119	- 5	M	...	...	41° 902	-13° 415	- 5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
241-300																		
241	-41·894	+10·535	-5	M	...	301	-38·028	-26·399	1·90	47·6025	8·7	361	-33·031	-8·547	-5	M	...	
*	41·727	-5·528	1·20	46·6350	9·3	*	37·961	-5·782	1·20	46·6355	9·6	...	32·957	-26·242	-5	M	...	
...	41·719	+9·847	-4	M	...	...	37·909	+5·526	-4	...	...	...	32·837	-26·156	-5	M	...
...	41·620	-15·147	-5	M	...	...	37·864	-55·675	-3	...	...	...	32·741	+24·179	-2	...	...
...	41·596	+42·476	0·75	...	...	...	37·814	+5·077	-4	M	...	...	32·583	-30·383	0·90	47·6034	10·2
*	-41·521	+21·826	0·95	46·6352	9·9	...	-37·807	+7·601	-5	M	...	...	-32·439	+37·974	-5	M	...
...	41·411	+10·058	-4	M	...	*	37·793	-52·985	1·20	47·6024	9·7	...	32·357	+56·373	-5	M	...	
...	41·360	+0·266	-4	M	...	*	37·790	-14·886	0·90	47·6026	10·2	...	32·314	+49·977	-1	...	...
...	41·328	+8·816	-4	M	...	...	37·454	-2·185	-4	M	...	...	32·273	+5·182	-5	M	...
...	41·286	-15·470	-5	M	...	...	37·448	+0·168	-5	M	...	...	32·192	-27·395	-4	M	...
251	-41·257	+13·631	-5	M	...	311	-37·398	+0·507	-5	M	371	-32·172	-23·394	-1
...	41·165	+59·419	0·90	...	...	*	37·258	+51·054	1·30	46·6357	9·6	N*	32·158	-27·865	1·10	47·6035	9·4
...	41·161	+14·583	-5	M	...	...	37·161	-21·587	-3	A	...	...	32·145	-56·037	-5	M	...
...	41·129	+37·918	-5	M	...	...	36·941	+5·657	-4	M	...	...	32·100	+8·637	-5	M	...
...	41·119	+8·700	-4	M	...	...	36·821	-11·381	-3	A	...	...	31·993	+4·766	0·90	46·6361	10·0
...	41·096	+8·414	-5	M	...	...	36·794	+6·391	-5	M	...	...	-31·752	+18·531	-5	M	...
...	40·984	-30·130	0·85	47·6021	10·2	*	36·722	-43·976	1·00	47·6027	10·2	...	31·632	-26·302	-4	M	...	
*	40·851	-56·020	1·50	47·6020	9·4	...	36·576	-12·504	-1	...	...	...	31·594	+11·463	-5	...	...
...	40·810	-57·747	0·80	...	...	...	36·520	+5·813	-4	M	...	...	31·560	+3·116	-5	M	...
...	40·793	-38·558	-3	...	...	...	36·396	-0·021	-4	M	...	...	31·457	+20·878	-3	...	...
261	-40·780	+4·241	-4	M	...	321	-36·365	+35·496	-5	M	...	*	381	-31·382	-36·856	1·20	47·6036	9·4
...	40·708	+14·756	-5	M	...	...	36·365	-5·227	-5	M	...	†	31·355	-29·423	-4	M	...
...	40·683	-17·048	-5	M	...	...	35·976	-44·332	0·80	...	...	...	31·249	+36·407	-5	M	...
...	40·553	+7·087	-5	M	...	...	35·946	+8·186	-2	...	...	...	31·135	-57·721	-5	M	...
...	40·510	+11·567	-5	M	...	*	35·944	-39·897	1·10	47·6028	9·9	...	30·801	+46·053	-5	M	...	
*	-40·432	-55·101	-3	A	...	...	35·938	-7·249	-5	M	...	...	-30·782	+44·639	0·85	...	...
...	40·344	-19·590	1·30	47·6022	9·3	...	35·935	-55·845	0·80	...	...	...	30·689	-24·098	-5	M	...
...	40·330	-2·169	-5	M	...	...	35·879	-26·146	-4	M	...	...	30·601	-14·182	0·65	...	...
...	40·307	+4·312	0·85	46·6353	9·9	...	35·764	+32·908	0·80	46·6359	10·2	...	30·533	-37·161	-5	M	...	
...	39·942	+2·198	-5	M	...	...	35·712	-1·361	-3	...	...	...	30·515	-1·789	-5	M	...
271	-39·826	-2·817	-4	M	...	331	-35·660	+17·275	1·10	46·6358	9·6	...	391	-30·432	-33·728	-5	M	...
...	39·818	+3·898	-5	M	...	*	35·592	-32·975	0·95	47·6029	10·1	*	30·375	-26·134	1·10	47·6038	9·6	
...	39·730	+5·555	-4	M	...	...	35·454	+31·053	0·70	...	...	*	30·351	+7·683	1·50	46·6362	9·0
...	39·608	-0·952	-3	A	...	...	35·288	-2·145	-5	M	...	...	30·216	+24·329	-5	M	...
...	39·568	+1·107	-3	M	...	...	35·138	+15·253	-4	M	...	...	30·115	+23·564	-2	...	...
...	-39·516	-41·726	-5	M	...	...	-35·053	-40·073	-4	...	...	...	-30·100	+15·791	-4	M	...
...	39·312	+7·320	-5	M	...	*	35·003	-11·861	0·90	47·6030	9·7	...	29·778	-14·062	-5	...	...
...	39·238	+4·876	-5	M	...	...	34·946	+10·013	-5	M	...	S*	29·713	-11·225	2·10	47·6039	8·6
...	39·225	+10·104	-4	...	...	...	34·647	+9·726	-5	M	...	...	29·637	-43·459	0·75	...	...
...	39·198	+57·506	-1	...	...	...	34·578	+8·443	-5	M	...	...	29·472	-45·374	-4	M	...
281	-39·093	+26·868	-5	M	...	341	-34·390	+32·397	-5	M	401	-29·446	+9·262	-5	M	...
...	39·092	+56·182	0·75	...	...	...	34·359	+18·578	-5	M	...	...	29·266	+53·576	-1	...	...
...	39·073	-48·307	-5	M	...	*	34·258	-12·317	1·15	47·6032	9·7	...	29·143	-51·125	0·95	47·6040	10·2	
...	38·947	+4·680	-4	M	...	...	34·133	+29·011	-4	M	...	*	29·085	-2·451	1·40	46·6363	9·4
...	38·848	-33·034	0·85	...	...	...	34·116	+42·856	-3	...	...	...	29·005	+7·392	-5	M	...
...	-38·841	+17·821	-5	M	...	...	-34·046	+3·464	-5	M	...	...	-28·993	+57·399	-2	...	...
...	38·768	+6·273	-5	M	...	...	33·899	-4·974	-4	M	...	...	28·808	-31·485	-4	M	...
...	38·620	+4·125	-4	M	...	...	33·818	-12·226	-5	M	...	...	28·779	-5·027	-5	M	...
...	38·620	-18·115	-3	...	...	...	33·768	+11·936	0·65	46·6360	10·2	...	28·704	+57·186	-4	...	...
*	38·490	+27·290	1·20	46·6354	9·4	...	33·703	-50·644	0·75	...	...	...	28·693	+39·061	-5	M	...
291	-38·457	+29·619	-5	M	...	351	-33·671	+6·840	-3	411	-28·673	-26·640	-5	M	...
...	38·422	-30·998	-4	M	...	*	33·651	-41·583	1·15	47·6033	9·8	...	28·627	-17·374	-5	M	...	
...	38·234	+2·307	-5	M	...	*	33·354	+53·646	1·25	45·6411	9·4	...	28·437	+35·955	-5	M	...	
...	38·191	+2·393	-5	M	...	...	33·348	-10·131	-5	M	...	...	28·386	-53·961	-1	...	...
...	38·134	+3·043	-5	M	...	...	33·342	-51·216	0·70	...	...	...	28·184	-26·321	-4	...	...
...	-38·050	-0·110	-4	M	...	...	-33·317	+53·271	-4	...	...	...	-28·113	-15·057	-5	M	...
*	38·048	+5·981	1·00	46·6356	9·7	...	33·303	-8·514	-5	M	...	...	27·798	+1·083	-5	M	...
...	38·046	+5·150	-3	...	...	...	33·229	-59·174	1·00	...	...	...	27·758	-12·614	-4	M	...
...	38·036	+3·066	-5	M	...	...	33·227	+8·324	-5	M	...	...	27·658	+28·139	0·65	46·6364	10·2
...	38·034	-4·790	-4	M	...	...	33·074	-33·633	-3	...	...	...	27·520	-51·078	-5	M	...

372. Obscures 2nd image of 370.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
421-480																			
421	-27°51'0	-46°57'7	-5	M	...	481	-20°55'1	+51°17'6	-1	o	...	541	-11°80'4	+52°46'2	0·65	o	...		
...	27°50'3	+28°46'1	-5	M	...	...	20°53'5	-31°11'4	-2	...	...	...	11°49'0	+1°76'6	-4	M	...
...	27°46'1	-17°15'2	-4	...	...	...	20°35'9	+32°26'1	-5	M	...	...	11°34'5	-57°42'1	-3	...	...
...	27°36'4	-48°19'9	-4	M	...	...	20°35'7	-47°15'8	-5	M	...	...	10°88'8	+14°01'3	-2	...	...
*	26°58'3	-12°91'8	0·90	47.6041	10·2	...	19°97'5	+13°36'0	-3	...	...	...	10°85'4	+26°01'0	-5	M	...
...	-26°46'0	+14°08'0	-4	M	...	...	-19°90'0	+58°05'4	-2	...	...	...	-10°75'4	+17°27'4	0·65	...	...
...	26°33'9	+25°48'0	-5	M	...	...	19°82'4	-50°04'4	-3	...	...	...	10°52'0	+58°73'5	1·90	45.6423	8·8
*	26°33'2	-21°54'1	0·95	47.6042	10·2	...	19°75'8	-20°06'9	-4	M	...	...	10°36'5	+48°71'0	-3	...	...
...	26°07'5	+45°14'8	-3	...	...	...	19°62'6	-23°42'8	-5	M	...	...	10°34'4	-11°45'7	-5	M	...
...	25°94'7	-37°44'5	0·80	...	...	...	19°52'1	-38°37'8	-5	M	...	...	10°33'1	+23°28'9	-5	M	...
431	-25°90'4	-25°12'6	-4	M	...	491	-19°48'2	-8°06'5	-4	...	...	551	-10°19'1	-11°24'6	-4	...	...
n	25°80'8	-58°39'6	0·90	47.6043	10·2	...	19°16'0	+13°62'6	-5	M	...	...	9°97'8	-16°53'5	-1	...	...
...	25°65'6	-0°55'4	-5	M	...	...	19°00'1	-39°71'4	-2	...	...	...	9°94'0	+25°06'6	-5	M	...
n	25°58'9	-58°20'4	0·90	47.6043	10·2	*	18°94'2	-36°64'8	1·00	47.6048	9·9	...	9°81'9	-44°27'2	-5	M	...		
...	25°54'6	-57°28'9	-5	M	...	...	18°92'7	+34°84'2	-3	...	...	...	9°79'7	+7°69'7	1·80	46.6372	8·8
...	-25°39'7	-45°50'8	-5	M	...	...	-18°26'4	-28°55'9	-1	...	...	...	-9°11'5	-52°88'6	-3	...	...
...	25°34'6	-51°99'7	-5	...	...	*	17°73'8	-30°70'8	1·10	47.6049	9·6	...	8°93'3	+56°13'7	-2	...	...
*	25°13'1	-11°06'4	1·00	47.6044	9·8	...	17°72'8	-9°38'4	-4	M	...	...	8°79'6	+28°21'7	-5	...	...
...	25°11'9	+42°49'0	-1	...	...	*	17°65'7	+44°89'2	1·20	46.6368	9·6	...	8°75'6	+3°51'7	-4	M m	...
...	24°94'7	-1°06'7	-5	M	...	...	17°54'6	+27°79'4	-4	...	...	...	8°71'4	+28°38'2	1·80	46.6373	9·0
441	-24°80'5	-25°47'5	0·80	47.6045	10·2	...	501	-17°49'2	-14°14'2	-1	...	561	-8°55'7	+49°10'5	-2	...	...
...	24°73'8	+41°72'1	-4	M	...	...	17°48'8	-30°93'3	-4	M	...	...	8°45'1	-30°75'9	-5	M m	...
...	24°71'7	-30°56'2	-5	M	...	...	17°41'9	+8°19'3	-4	...	...	...	8°42'6	-17°26'7	-1	...	...
...	24°63'9	+51°04'5	-1	...	...	...	17°27'3	+6°53'2	-5	M	...	...	8°29'9	-45°55'1	-3	...	...
...	24°62'8	-23°02'5	-3	...	...	...	17°22'6	+29°37'9	-2	...	...	...	8°26'0	-3°77'5	1·10	46.6374	9·8
...	-24°52'7	+26°04'2	-5	M	...	...	-17°07'9	-23°93'3	-2	...	...	...	-8°04'9	-58°33'7	-4	...	...
...	24°49'6	-20°41'4	-4	...	...	...	17°00'7	+33°63'2	-4	M	...	...	7°98'9	+36°00'4	-4	m	...
...	24°49'3	-32°25'5	-5	M	...	...	16°97'3	-10°15'8	-5	M	...	...	7°90'7	+40°54'6	0·80	...	...
*	24°47'0	+56°18'8	1·05	45.6415	9·7	...	16°58'3	-5°32'2	-3	...	...	...	7°67'4	+29°12'1	-1	...	...
...	24°29'0	-6°33'8	0·75	46.6365	10·2	...	16°40'4	-53°29'9	-3	...	...	...	7°61'3	+58°24'3	-1	...	...
451	-24°14'7	+21°62'5	-4	511	5*	-16°35'7	-48°51'9	1·35	47.6050	9·0	...	571	-7°46'7	+31°75'5	-4	m	...
*	24°12'0	-53°53'4	2·00	47.6046	8·4	...	16°32'1	-14°88'8	-4	M	...	*	7°41'4	-50°84'3	1·20	47.6056	9·6		
*	24°10'9	-53°77'3	1·00	47.6046	8·4	...	15°92'1	+41°19'3	0·80	46.6369	10·2	...	7°17'5	+54°92'0	-5	M m	...		
...	24°06'8	+11°35'2	-3	...	...	...	15°60'1	+21°42'5	-3	...	...	...	7°11'9	+42°40'2	-4	M m	...
...	23°91'5	+4°47'8	-5	M	...	...	15°35'0	+55°66'9	-2	...	...	...	6°84'3	+11°27'0	-5	M m	...
...	-23°87'5	-32°18'6	0·70	...	...	...	15°32'8	+27°02'6	-4	M	...	...	-6°78'1	-10°74'8	-5	M m	...
...	23°38'4	+55°94'4	-4	M	...	...	15°24'5	-31°48'8	-4	M	...	...	6°77'1	-56°92'7	-2	...	...
...	23°36'0	+1°51'0	-5	M	...	...	15°16'5	-15°96'9	-5	...	...	...	6°68'3	+45°60'7	-2	...	...
...	23°20'0	+57°37'1	-2	...	...	*	14°99'7	-49°92'6	1·10	47.6051	10·0	S *	6°63'2	-27°37'4	1·80	47.6057	8·7
...	23°08'3	-19°03'7	0·65	...	...	...	14°95'6	-53°48'5	-5	M	...	...	6°50'2	+13°44'1	-3	...	...
461	-22°99'9	+32°11'8	-4	M	...	521	-14°94'3	-49°17'9	1·20	47.6052	9·6	...	581	-6°36'3	-3°48'4	-5	M m	...	
...	22°98'0	-36°09'2	0·65	...	...	...	14°77'3	+44°11'3	-5	...	...	...	6°24'8	-55°35'7	-5	M m	...
...	22°88'7	-11°60'4	-3	...	...	...	14°43'2	-35°53'9	-4	M	...	...	6°08'5	-1°81'5	-5	M m	...
...	22°81'6	-18°32'1	-4	...	...	*	14°39'0	-21°49'7	3·70	47.6053	7·3	...	5°86'3	+21°41'6	-1	...	...
*	22°64'7	-6°91'3	1·05	46.6366	10·2	...	14°01'2	+12°30'4	-5	M	...	*	5°25'1	-35°01'3	1·20	47.6058	9·3		
...	-22°34'6	-58°63'7	-5	M	...	...	-13°77'9	-58°93'1	-5	M	...	...	-5°06'7	-50°85'6	-4	m	...
...	22°17'3	+11°79'1	-5	M	...	...	13°17'8	-31°03'8	-5	M	...	*	4°55'7	+55°03'0	1·80	45.6424	8·9
...	22°12'1	+21°28'7	-5	M	...	*	13°05'0	+9°79'7	1·00	46.6370	10·1	...	4°54'2	-6°12'2	-3	...	...
...	21°92'1	-6°93'5	-4	M	...	*	12°90'4	+5°93'7	2·00	46.6371	8·8	...	4°51'0	-25°74'7	-4	m	...		
...	21°64'5	+18°21'7	-5	M	...	...	12°89'0	-14°71'2	-2	...	...	...	4°48'6	-36°42'2	-2	...	...
471	*	-21°57'3	-58°97'5	1·10	47.6047	9·9	[-12°82'6	-35°87'5	-5	M	4°46'8	-40°28'4	-4	M m	...	
...	21°50'2	+28°77'8	-1	...	...	...	12°82'4	-35°92'0	-5	M	...	...	4°46'0	-25°33'9	-5	M m	...
...	21°34'5	-53°22'8	-3	...	...	...	12°77'9	-26°29'2	-4	...	...	...	4°39'9	+49°84'6	-5	M m	...
...	21°28'4	+25°29'2	-5	M	...	...	12°72'0	+32°78'9	-5	M	...	*	4°19'9	+18°85'1	1·30	46.6375	9·4
...	21°24'1	+13°54'8	0·65	...	...	...	12°64'0	+5°04'7	0·80	...	...	...	4°19'7	-45°90'5	0·90	...	...
...	-21°18'1	-44°30'1	-3	...	...	...	-12°62'0	+58°19'8	-5	M	...	...	-4°10'6	-39°76'3	-4	M m	...
*	21°11'2	+11°51'7	1·60	46.6367	9·0	...	12°54'9	+21°75'4	-5	M	...	...	3°99'0	-30°72'9	-2	...	...
...	20°81'6	-46°70'1	-5	M	...	...	12°48'1	-44°54'9	-4	M	...	...	3°86'8	+25°85'0	-1	...	...
...	20°63'9	+6°07'7	-5	M	...	...	12°28'2	-29°66'7	-5	M	...	*	3°85'6	-32°29'1	1·00	47.6059	9·8
...	20°58'6	-11°19'5	-5	M	...	...	12°15'0	+30°93'2	-3	...	...	...	3°70'3	-30°68'7	-5	M m	...

432, 434. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
601-660																		
601	- 3·573	- 46·777	0·75	o	...	661	+ 6·608	+ 43·940	- 1	o	...	721	+ 13·364	+ 28·575	1·10	46·6390	9·6	
*	3·214	- 34·110	0·90	47·6060	10·0	...	6·668	- 18·614	0·85	47·6065	10·2	...	13·520	+ 31·521	- 4	m	...	
...	3·073	- 47·713	- 4	m	...	...	6·672	+ 54·808	- 5	m	...	...	13·624	- 14·766	- 5	m	...
...	3·046	- 13·617	- 2	...	...	...	6·711	- 22·077	- 5	M m	...	...	13·843	+ 40·019	- 5	m	...
...	3·009	- 47·606	0·65	...	...	...	6·920	- 40·574	- 2	...	...	...	13·873	+ 26·534	- 3	...	...
...	- 2·950	+ 35·663	- 3	...	...	...	+ 7·312	- 2·726	- 5	M m	...	...	+ 14·246	- 42·482	- 3	...	...
...	2·783	+ 13·219	- 5	M m	...	...	7·318	- 20·538	- 5	M m	...	S *	14·290	+ 14·787	3·10	46·6391	7·8
...	2·671	- 36·382	- 4	M m	...	...	7·557	+ 49·586	- 1	...	...	...	14·502	- 22·211	- 4	m	...
...	2·636	+ 59·452	- 5	m	...	...	7·706	+ 51·521	- 5	m	...	...	14·516	- 56·969	0·80	47·6072	10·2
...	2·607	+ 9·540	- 5	M m	...	...	7·739	- 58·270	- 3	...	...	†	14·644	- 34·524	- 4	m	...
611	- 2·585	- 8·880	- 5	M m	...	671	* + 7·873	- 24·091	1·50	47·6066	9·0	731	+ 14·647	+ 44·635	- 2	...	...
*	2·556	+ 44·885	1·80	46·6376	8·8	...	8·007	+ 59·250	- 3	a	...	...	14·750	+ 32·814	- 5	m	...
†	2·251	+ 55·345	- 4	...	...	...	8·136	+ 47·225	- 4	m	...	...	14·760	- 15·811	- 4	m	...
...	2·250	+ 28·586	- 3	...	...	...	8·230	- 20·075	- 5	M m	...	...	14·763	+ 19·339	- 2	...	...
...	1·019	- 36·343	0·65	...	...	...	8·559	+ 31·023	- 1	...	...	...	15·449	- 14·122	- 1	...	...
*	- 0·640	- 3·862	1·05	46·6377	9·9	...	+ 8·651	+ 34·068	- 4	m	...	...	+ 15·805	- 8·295	- 5	m	...
...	- 0·350	- 45·353	- 5	M m	...	...	8·963	+ 3·468	- 5	m	...	...	15·989	- 24·483	- 5	m	...
...	+ 0·292	+ 1·556	- 5	M m	...	...	8·999	+ 44·956	- 2	...	...	*	16·213	+ 43·877	1·15	46·6392	9·4
...	0·576	- 5·279	- 4	M m	...	...	9·169	+ 56·931	0·90	45·6435	10·2	...	16·411	- 41·989	- 3	...	...
†	0·827	- 34·405	- 4	...	...	...	9·202	+ 23·117	- 4	...	...	...	16·543	- 31·889	- 2	47·6073	10·2
621	+ 0·997	+ 36·830	- 1	...	...	681	...	...	...	...	...	741	...	...	...	...	...
...	1·307	- 7·605	- 4	M m	...	...	9·233	+ 49·815	- 5	m	...	...	+ 16·771	+ 13·296	- 5	m	...
*	1·529	+ 52·222	0·90	46·6378	10·2	*	9·254	+ 50·332	- 5	...	...	...	16·938	- 27·732	- 3	...	...
...	1·596	+ 29·727	- 4	M m	...	...	9·262	+ 9·369	1·10	46·6383	9·8	...	17·034	- 39·595	- 5	m	...
*	1·928	+ 39·837	1·10	46·6379	9·9	...	9·588	- 31·929	- 4	...	...	...	17·216	- 35·886	0·65	47·6074	10·2
...	+ 2·104	- 50·906	- 1	...	...	...	+ 9·805	+ 20·220	1·00	46·6384	9·6	...	+ 18·351	- 16·049	- 5	m	...
...	2·339	+ 50·383	- 3	...	...	...	10·141	+ 20·272	- 3	...	...	...	18·483	- 20·495	- 4	...	...
*	2·496	+ 12·827	0·90	46·6380	10·0	...	10·146	- 12·297	- 1	47·6068	10·2	...	18·522	- 43·920	- 5	m	...	
...	2·529	+ 54·297	- 4	...	...	...	10·322	+ 21·958	- 4	m	...	*	18·662	+ 36·067	1·80	46·6393	8·9
...	2·720	+ 38·601	0·90	46·6381	10·2	...	10·376	+ 24·852	- 3	...	...	...	18·764	- 55·199	- 2	...	...
631	+ 2·816	- 48·024	- 5	M m	...	691	...	...	...	...	...	751	...	...	...	...	...
...	2·944	+ 31·071	- 4	M m	...	...	10·409	- 11·070	- 3	...	...	...	+ 18·840	+ 54·665	- 5	m	...
*	2·975	- 8·071	1·00	47·6061	9·8	...	10·414	- 33·214	0·65	...	...	*	18·991	+ 52·424	1·00	45·6442	9·8
...	3·051	- 43·163	- 1	...	...	...	10·430	- 7·774	- 3	...	...	...	19·054	+ 8·600	- 4	m	...
...	3·113	+ 13·449	- 3	...	...	...	10·503	+ 24·245	- 3	...	...	...	19·247	- 17·834	- 1	...	...
+	3·649	- 57·906	- 5	M m	...	...	+ 10·681	+ 37·588	0·65	...	...	...	+ 19·564	+ 42·151	- 5	m	...
...	3·826	+ 35·878	- 3	...	...	*	10·984	+ 50·458	1·40	46·6385	9·2	...	19·647	+ 57·789	- 1	...	...
...	3·919	- 3·509	0·80	...	...	...	11·009	- 43·987	- 3	...	...	...	19·658	- 16·962	- 2	...	...
...	4·017	- 56·178	- 5	M m	...	...	11·197	- 0·804	- 3	...	...	...	19·668	+ 50·465	0·80	...	...
...	4·027	- 40·395	- 4	...	...	...	11·362	- 48·467	- 1	...	...	...	19·860	- 39·694	- 5	m	...
641	+ 4·202	- 7·041	- 3	...	...	701	...	...	...	...	...	761	...	...	...	...	...
...	4·204	- 34·961	- 4	M	...	...	11·437	- 41·642	- 3	...	...	...	20·220	- 45·705	- 3	a	...
...	4·271	+ 31·972	- 3	...	...	...	11·646	+ 53·596	- 5	m	...	...	20·263	+ 43·619	0·80	46·6394	10·2
...	4·408	+ 53·281	- 5	M m	...	*	11·873	- 43·027	1·00	47·6069	9·9	...	20·388	- 43·497	- 5	m	...	
...	4·528	- 45·524	- 4	M m	...	...	12·013	+ 44·689	0·90	46·6386	10·1	S *	20·450	+ 59·262	- 2	...	...
+	5·035	+ 52·120	- 4	...	...	...	+ 12·017	+ 1·277	- 5	m	...	*	+ 20·875	+ 7·289	1·60	46·6396	9·0
*	5·044	- 53·499	0·95	47·6062	10·2	...	12·244	+ 10·187	- 4	m	...	...	20·881	- 56·265	- 2	...	...
...	5·097	- 42·339	- 4	M	...	...	12·268	- 56·121	- 5	m	...	S *	20·987	- 15·523	2·90	47·6075	7·9
...	5·191	+ 18·148	- 5	M m	...	*	12·368	- 43·182	1·00	47·6070	9·8	...	21·225	+ 39·158	- 3	...	...
...	5·197	- 34·608	- 5	M m	...	...	12·463	+ 10·780	- 4	m	...	...	21·231	+ 40·124	- 5	m	...
651	S *	+ 5·315	+ 46·864	2·90	46·6382	7·8	*	+ 12·539	+ 38·625	1·30	46·6387	9·4	...	21·332	+ 18·417	- 5	m	...
...	5·429	+ 52·616	- 5	m	...	*	12·876	+ 5·892	1·50	46·6388	9·0	...	21·392	- 59·203	- 5	m	...	
...	5·511	- 38·210	2·30	47·6063	8·3	...	12·927	- 2·338	- 5	m	...	...	21·798	- 15·746	- 3	...	...
...	5·697	+ 55·042	- 5	M m	...	...	12·946	+ 49·433	- 1	...	...	...	21·966	+ 36·667	- 5	m	...
...	5·910	- 36·522	- 3	M	...	S *	12·963	- 58·376	1·70	47·6071	8·8	...	22·026	- 36·483	- 5	m	...	
+	6·171	+ 58·072	0·65	...	...	...	+ 13·018	- 52·005	- 3	...	...	...	+ 22·228	- 2·089	- 3	...	...
...	6·213	+ 41·595	- 4	m	...	...	13·032	+ 45·745	- 5	m	...	...	22·253	- 4·476	- 4	m	...
...	6·242	+ 55·632	- 4	...	...	*	13·111	- 5·653	0·90	46·6389	10·1	...	22·391	+ 27·522	- 2	...	...
†	6·276	- 19·507	1·90	47·6064	8·8	...	13·248	+ 42·863	- 3	...	...	...	22·416	- 22·922	- 1	...	...
...	6·303	- 5·704	0·80	...	...	...	13·342	- 27·651	- 4	m	...	...	22·502	+ 15·895	0·85	46·6397	10·2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
781-840																		
781	+22°625	+27°488	0°90	46.6398	10.0	841	+30°727	-18°967	-2	...	...	901	+39°462	+43°633	-5	...	...
*	22°671	-46°706	1°80	47.6076	8.7	*	31°443	+49°520	1°00	46.6404	9.7	...	39°471	+1°474	-5	m	...	
...	22°759	-37°151	-5	m	...	†	31°683	+0°464	-2	...	...	...	39°635	-44°114	-5	m	...
*	22°790	+13°839	1°60	46.6399	9.0	*	31°959	+16°879	0°90	...	...	*	39°921	+21°959	1°30	46.6407	9.6
*	22°944	-34°034	1°00	47.6078	9.9	...	31°995	-11°016	-4	m	...	*	39°964	-5°630	0°90	46.6408	9.9	
*	+22°993	-14°424	1°00	47.6077	9.6	...	+32°011	+26°206	-2	...	...	...	+39°997	+7°732	-3	...	...
...	23°123	+9°292	-5	m	...	*	32°246	-24°825	1°00	47.6084	9.8	...	40°583	+53°051	-4	m	...	
...	23°359	+21°254	-4	...	...	*	32°279	-21°660	0°95	47.6083	10.1	...	40°583	-19°160	-1	...	...
...	23°422	+49°460	-5	m	...	...	32°283	-30°573	-4	m	...	...	40°616	+4°388	-4	m	...
...	23°820	+40°038	-2	...	...	...	32°411	-36°253	-2	...	...	...	40°685	-50°837	-3	...	...
791	+24°382	-2°172	-4	...	...	851	+32°483	+15°896	2°00	46.6405	8.6	911	+40°707	+16°502	-2	...	...
...	24°441	-40°654	-3	...	...	...	32°607	+39°384	-5	m	...	...	40°757	+1°278	-5	m	...
...	24°618	-49°311	-3	...	...	...	32°794	-44°348	-5	m	...	...	40°811	+2°736	-5	m	...
...	24°673	-56°490	-3	...	...	...	32°839	-16°130	-1	...	...	*	40°942	+27°988	1°00	46.6409	10.2
†	24°843	-1°420	0°65	...	...	...	33°012	+53°046	-2	...	...	...	41°258	+54°401	-2	...	...
...	+24°923	+0°639	-3	a	...	...	+33°116	+42°488	-2	...	...	...	+41°271	-31°648	-5	m	...
...	24°990	-48°364	-3	...	...	...	33°166	-12°321	-5	m	...	...	41°604	+17°509	-2	...	...
...	25°165	+5°138	-5	m	...	*	33°173	+9°782	1°20	46.6406	9.4	...	41°852	+57°290	0°90	...	...
...	25°878	-37°039	-2	...	...	...	33°224	+3°662	0°75	...	...	*	42°000	+30°000	1°00	46.6410	10.0
*	26°270	+35°223	0°95	46.6400	10.2	...	33°331	+2°524	-3	a	...	...	42°189	-34°796	-3	...	...
801	+26°273	+46°791	-5	m	...	861	S *	+34°320	-45°715	4°00	47.6085	6.9	921	+42°695	-38°077	-5	m	...
...	26°295	+21°611	-5	m	...	...	34°401	+11°976	-4	m	...	...	42°740	+35°049	-5	m	...
...	26°308	-47°855	-4	m	...	...	34°604	-13°654	-3	...	...	...	42°969	-44°952	-3	...	...
...	26°387	+19°911	-3	...	...	...	34°912	+25°903	-5	m	...	...	43°195	-48°949	0°80	...	...
...	26°774	+48°134	-5	m	...	...	34°950	-15°638	-5	m	...	...	43°520	-52°196	-1	...	...
...	+27°000	-1°512	-4	m	...	...	+35°040	+31°110	-5	m	...	...	+43°708	-58°328	0°90	...	...
...	27°098	-48°761	-4	m	...	...	35°153	-23°096	-4	m	...	...	43°714	-15°750	-4	...	...
...	27°179	-36°841	0°65	...	...	...	35°280	-31°509	0°65	...	...	*	43°738	-39°184	1°40	47.6090	9.6
...	27°351	+47°086	-5	m	...	...	35°295	+41°579	-5	m	...	...	43°819	+0°509	-2	...	...
...	27°718	-23°850	-4	m	...	...	35°335	-54°029	-1	...	...	...	43°822	+32°219	-5	m	...
811	+27°744	+20°868	-4	m	...	871	...	...	...	...	...	931	...	...	...	...	...
...	27°749	-53°501	-2	...	...	...	35°431	-24°562	-2	...	...	...	44°097	-45°902	0°90	...	...
*	27°813	-44°155	1°05	47.6079	9.6	...	35°442	-43°800	-5	m	...	*	44°827	-34°924	1°15	47.6091	9.4	
...	27°894	-27°115	-2	...	...	...	35°496	+43°713	0°85	...	...	...	45°194	+1°977	-5	m	...
*	27°967	+51°888	1°10	46.6401	9.7	...	35°725	-8°390	0°65	...	...	...	45°220	-39°426	1°00	47.6092	9.4
*	+28°152	+32°376	1°40	46.6402	9.1	...	+35°728	+55°874	0°85	...	...	...	+45°476	+3°629	-5	m	...
...	28°225	-50°171	-4	m	...	...	36°127	-0°788	-4	m	...	...	45°608	-19°631	-1	...	...
*	28°257	-31°681	1°25	47.6080	9.4	...	36°179	+20°313	0°65	...	...	...	45°619	+20°064	-5	m	...
...	28°598	+1°293	-3	a	...	...	36°253	-4°079	-5	m	...	...	45°642	-35°380	-5	m	...
...	28°607	+35°653	0°65	...	...	...	36°265	+29°313	-3	...	...	...	46°273	-47°802	-1	...	...
821	+28°616	-41°636	-5	m	...	881	...	...	...	...	...	941	...	...	...	...	...
...	28°735	-0°097	-4	m	...	...	36°726	-0°369	-3	z	...	...	46°436	-47°030	-3	...	...
...	28°761	-58°508	-4	m	...	...	36°997	-5°167	-5	m	...	...	46°597	+39°397	-5	m	...
...	28°806	+14°143	-5	m	...	...	37°004	-39°055	-4	...	...	...	46°616	-31°836	-5	m	...
...	28°988	+51°131	-5	m	...	...	37°015	-4°083	-5	m	...	...	46°628	+4°771	-2	...	...
...	+29°072	-35°990	-3	...	...	...	+37°105	+51°157	-5	m	...	...	+46°713	-12°329	-4	m	...
...	29°250	-52°929	-5	m	...	*	37°191	-37°161	0°95	47.6088	9.9	...	46°835	+38°869	-5	m	...	
...	29°266	+38°749	-4	m	...	...	37°197	+29°065	0°75	...	...	...	46°851	-11°488	-1	...	...
...	29°340	-9°027	-5	m	...	...	37°197	+26°100	-4	m	...	*	46°895	+56°423	1°35	45.6456	9.6
...	29°421	-14°423	-5	m	...	...	37°242	-23°242	-4	m	...	*	47°209	-43°940	1°05	47.6095	9.7
831	+29°629	-13°215	-5	m	...	891	...	...	...	...	...	951	...	...	...	...	...
†	29°783	-0°084	-5	m	...	...	+37°347	-0°807	-5	m	...	...	+47°294	+48°467	-5	m	...
†	29°804	-56°157	-5	...	...	...	37°576	+13°150	-3	...	...	...	47°296	+9°748	-5	m	...
*	30°005	-15°079	0°90	47.6081	10.1	...	37°666	-35°306	0°65	...	...	...	47°669	-4°752	-5	m	...
...	30°135	+14°876	0°80	46.6403	10.2	*	38°638	-46°613	-5	m	...	...	47°795	+9°451	-3	...	...
...	+30°220	-17°686	-1	...	...	...	+38°945	-41°639	-5	m	...	...	+48°336	+50°444	-5	m	...
...	30°236	+43°312	-5	m	...	...	39°031	-2°296	-3	...	...	...	48°483	+27°595	-3	...	...
...	30°297	+16°242	-4	m	...	...	39°177	+16°573	-5	m	...	...	48°619	+44°775	1°00	46.6411	10.0
...	30°386	+38°727	-1	...	...	...	39°299	+54°130	0°85	...	...	...	48°740	-16°403	-5	m	...
...	30°536	-26°056	-5	m	...	...	39°367	-16°000	0°65	...	...	...	48°942	-51°347	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
961-990																	
961	+49·003	-46·058	-2	o	...	991	+53·951	-46·225	-3	a	...	1021	+58·120	+57·397	0·80	o	...
...	49·269	+4·354	-5	m	...	...	54·067	+5·947	-5	m	...	...	58·210	+2·765	1·00	46·6421	10·0
...	49·335	+34·681	-5	m	...	...	54·087	-45·468	0·75	47·6099	10·2	...	58·441	+19·816	-1	...	...
...	49·519	-32·125	-5	m	...	...	54·645	-22·275	-5	m	...	...	58·515	-58·353	-5	m	...
...	49·553	-27·220	-3	a	...	...	55·065	+33·667	-4	m	...	...	58·715	+27·255	-5	m	...
†	+49·713	+19·739	-5	m	...	...	+55·103	-45·421	-4	a	...	...	+58·946	+52·346	0·75	...	...
†	49·817	+44·706	0·80	...	...	...	55·114	+15·217	-4	m	...	...	58·985	-44·201	-5	m	...
...	49·920	-12·478	-5	m	...	...	55·128	+39·735	-4	...	...	...	59·327	-32·466	-5	m	...
*	49·994	-35·771	1·00	47·6096	10·0	*	55·414	-36·631	1·20	47·6100	9·6	...	59·386	+21·630	-3	...	...
...	50·253	-12·019	-2	...	...	...	55·426	+6·302	-5	m	...	...	59·550	-40·616	-5	m	...
971	+50·263	-19·075	-4	m	...	1001	+55·499	-58·128	1·25	47·6103	9·8	1031	+59·560	+19·987	-1	...	...
...	50·287	+10·951	-4	...	...	...	55·853	-9·435	-5	m	...	...	59·574	-48·516	0·75	47·6104	10·2
*	50·347	-27·660	1·10	47·6097	9·6	...	55·909	-24·188	-3	...	...	...	59·608	+11·102	-4	m	...
*	50·355	+56·712	1·70	45·6457	9·3	*	56·075	+39·148	1·50	46·6415	9·3	...	...	...	...	...	...
...	50·387	-41·905	-5	m	...	...	56·160	-21·419	0·75	47·6101	10·2	...	...	...	...	...	...
...	+51·023	+47·986	-5	m	...	...	+56·211	-20·670	0·95	47·6102	9·9	...	...	...	...	...	...
...	51·153	+2·175	-4	m	...	S *	56·903	+12·290	2·20	46·6416	8·0	...	...	...	...	...	...
...	51·232	+2·736	-5	m	...	...	57·097	-4·090	-4	m	...	...	...	...	...	...	...
*	51·255	-11·502	2·10	47·6098	8·4	...	57·135	-22·996	-1	...	...	...	...	...	...	...	...
...	51·483	+5·649	0·80	46·6412	10·2	*	57·161	+8·172	0·90	46·6417	10·1	...	...	...	...	...	...
981	+51·566	-10·407	-3	a	...	1011	+57·251	-4·317	-1	...	...	...	...	...	...	...	...
...	51·816	-18·547	-4	...	...	...	57·399	-7·755	-5	m	...	...	...	...	...	...	...
...	51·901	+16·311	0·75	...	...	...	57·545	+49·673	-3	a	...	...	...	...	...	...	...
...	52·288	-6·145	-3	...	...	...	57·546	+35·435	-4	m	...	...	...	...	...	...	...
...	52·413	-7·674	0·85	46·6414	10·2	...	57·815	+18·581	0·75	46·6418	10·2	...	...	...	...	...	...
...	+52·541	-35·741	-5	m	...	...	+57·884	+3·511	0·65	...	...	...	-44·215	+2·989	0·75	46·6421	10·0
...	52·764	+33·112	-5	m	...	†	57·909	+30·284	-5	m	...	...	44·181	-6·300	-1	46·6420	10·1
*	52·935	+36·106	1·30	46·6413	9·4	...	57·918	-8·925	-3	...	...	...	43·642	+21·874	-5	...	...
...	52·959	-36·294	-5	m	...	...	57·955	-6·522	0·75	46·6420	10·1	...	43·426	+20·240	-5	...	...
...	53·421	-6·518	-2	...	...	*	58·043	+0·078	1·70	46·6419	8·8	...	42·179	-1·302	-4	...	...

1-20					21-40					41-60								
I	-58·529	+0·271	-5	o	...	21	-51·103	-27·682	1·05	47·6097	9·6	41	-44·949	-4·122	-4	o	...	
...	57·370	-29·222	-5	...	...	...	51·044	+5·659	-2	46·6412	10·2	...	44·561	+3·719	-3	...	...
*	57·351	-39·399	1·20	47·6090	9·6	...	50·956	+16·323	-3	...	...	...	44·535	+20·037	-5	...	...
...	57·244	+56·265	1·00	45·6456	9·6	*	50·699	-11·498	2·00	47·6098	8·4	...	44·480	-22·797	-4	...	...
...	57·148	-52·411	-5	...	...	*	50·565	+36·134	1·35	46·6413	9·4	*	44·303	+0·290	1·80	46·6419	8·8
...	-56·796	-46·116	-4	...	...	...	-49·850	-6·107	-5	...	...	...	-44·215	+2·989	0·75	46·6421	10·0
...	56·776	-58·549	-5	...	...	...	49·685	-7·632	-1	46·6414	10·2	...	44·181	-6·300	-1	46·6420	10·1
*	56·390	-35·120	1·40	47·6091	9·4	...	48·720	-6·432	-5	...	...	...	43·642	+21·874	-5	...	...
...	56·105	-19·811	-4	...	...	†	48·482	+39·842	-5	...	...	...	43·426	+20·240	-5	...	...
...	55·860	+4·629	-5	...	...	*	47·501	+39·284	1·30	46·6415	9·3	...	42·179	-1·302	-4	...	...
II	-55·842	-39·598	1·15	47·6092	9·4	...	31	-46·806	-45·351	-3	47·6099	10·2	51	-41·367	+22·810	-4
†	55·160	+44·679	-1	46·6411	10·0	46·063	+57·590	-5	41·206	-48·220	-3	47·6104	10·2
...	55·123	-11·628	-5	...	...	S *	45·798	+12·468	2·10	46·6416	8·0	...	41·136	+22·921	0·85	46·6422	9·8
...	54·738	+27·488	-5	...	...	*	45·754	-36·484	1·00	47·6100	9·6	...	40·213	-40·978	-5	...	...
...	53·946	+44·644	-4	...	...	...	45·498	-21·250	-3	47·6101	10·2	*	39·991	+29·455	2·40	46·6423	7·8
*	-53·794	+56·659	1·70	45·6457	9·3	...	-45·473	-20·504	0·80	47·6102	9·9	...	-39·499	-12·170	-4	...	...
...	53·725	-44·046	0·90	47·6095	9·7	...	45·437	+8·352	-2	46·6417	10·1	...	39·441	-59·203	-2	47·6105	10·2	
...	51·876	-46·098	-5	...	...	†	45·126	+18·778	-3	46·6418	10·2	...	39·052	-45·100	-4	...	...
...	51·699	-12·051	-5	...	...	...	45·060	+52·567	-5	...	...	*	38·078	+42·750	1·80	46·6425	8·9
...	51·199	-35·787	0·90	47·6096	10·0	†	44·983	-57·971	0·80	47·6103	9·8	...	38·065	+0·354	-5	...	...

ES measured from 1, 120, 262.
MC " " 55, 192, 352.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
61-120																		
61	-37.977	-1.871	2.10	46.6424	8.2	121	-19.540	+34.416	-5	...	...	181	-3.730	-38.242	-5	...	...
S *	37.577	+56.938	1.50	45.6468	9.1	...	17.954	-8.877	0.70	47.6123	9.9	...	3.402	-34.533	0.95	47.6139	9.6	
...	37.384	-55.256	-3	...	...	...	17.525	+22.679	-4	...	...	...	3.355	-11.677	-4	...	...
...	36.042	-10.997	-4	...	...	...	16.752	+50.358	0.80	46.6439	10.0	...	3.033	-5.193	1.05	46.6451	9.4
*	35.585	+25.779	0.90	46.6426	9.6	...	16.445	-42.228	-5	...	...	...	2.901	+37.986	1.00	46.6452	9.7
...	-35.546	-21.193	-2	...	...	...	15.993	-2.894	0.85	46.6440	9.6	...	2.874	-5.474	-2	...	...
...	35.426	-45.282	-3	...	...	...	15.965	-36.439	-5	...	...	...	2.240	+29.959	1.15	46.6453	9.1
*	34.649	-26.188	1.20	47.6107	9.0	*	15.496	+54.435	1.10	45.6486	9.6	...	1.733	-27.509	0.85	47.6140	9.9	
...	34.415	+14.221	-5	...	...	†	14.787	+24.887	-5	A	...	...	1.094	-46.979	0.80	47.6142	10.2
...	34.322	+41.299	-3	...	...	...	14.548	+44.006	-5	...	...	...	1.066	-8.040	-5	...	...
71	-33.659	-51.220	0.85	47.6108	9.7	131	-13.803	+26.513	-4	...	...	191	-0.980	+47.657	0.90	46.6454	9.9
...	33.369	-6.026	-5	...	...	...	13.792	-58.192	-1	47.6126	10.2	*	+0.467	-48.711	1.80	47.6143	8.6
...	33.354	-3.435	0.80	46.6427	10.2	...	13.769	+33.913	-4	...	...	...	0.686	-30.558	-4	...	...
...	33.261	+43.089	-2	46.6428	10.2	n α	13.701	+0.265	-3	46.6441	10.2	...	1.050	+55.424	-3	45.6500	10.2	
...	32.656	-38.446	-3	...	...	...	13.314	-34.077	-3	47.6127	10.2	...	1.188	+50.345	-5	...	...
*	-32.540	-59.427	1.10	47.6109	9.4	...	13.244	+10.202	-5	...	...	...	+1.652	-29.806	0.80	47.6144	9.7
...	32.213	-46.384	-1	47.6110	10.2	S *	13.139	-55.537	2.10	47.6128	8.3	S ‡	2.222	-9.989	1.30	47.6145	8.8	
...	32.076	-12.201	-4	...	...	...	13.128	+35.674	-5	...	...	...	2.559	-53.841	-1	47.6146	10.2
*	31.506	+40.195	1.80	46.6429	8.8	†	13.027	+4.977	1.05	46.6442	9.3	...	3.005	+24.958	-1	46.6455	10.2	
...	31.258	-25.474	-5	...	...	...	12.824	-19.863	-3	...	...	...	3.090	-13.559	1.00	47.6147	9.6
81	-31.250	+26.870	-4	141	-12.594	+5.750	0.95	46.6443	9.6	...	+3.442	+36.921	0.90	46.6456	9.8
...	30.706	-40.301	-4	11.912	+50.015	1.05	46.6444	9.6	*	3.448	+30.269	1.20	46.6457	9.1
...	30.590	+56.647	-4	11.910	-36.159	-3	3.547	+52.524	-5
...	30.588	+2.241	-1	46.6430	10.2	...	11.667	-11.428	-2	47.6130	10.2	...	3.686	-35.274	-5	...	...
...	30.488	-38.895	-3	...	...	...	11.592	-24.592	-3	...	...	...	3.810	-21.373	-4	...	...
*	-29.995	+43.541	1.20	46.6431	9.4	...	11.468	+56.485	-1	...	...	...	+4.472	-8.193	-1	47.6149	10.1
S *	29.806	-27.408	2.10	47.6111	7.9	...	11.398	-16.196	-5	...	...	...	5.247	+9.647	-4	M	...
...	29.746	+4.297	-3	...	...	...	10.607	-45.721	-4	...	...	...	5.319	-34.017	-5	...	...
...	29.641	-43.442	-5	...	...	...	10.450	+35.245	0.70	46.6445	10.2	...	5.735	+54.688	-4	...	...
*	29.264	+15.252	1.00	46.6432	9.4	...	10.348	-17.700	-2	47.6131	10.2	...	6.222	-1.130	-1	...	...
91	-29.252	+36.335	-3	151	-10.203	-16.121	-5	+6.556	-32.123	0.70	47.6150	10.2
...	29.054	-45.211	-2	47.6112	10.0	†	10.142	-48.181	-4	...	...	...	6.992	+32.362	0.75	46.6458	10.2
*	28.606	-58.166	1.20	47.6113	9.6	...	9.391	+38.438	-4	...	...	...	7.683	-56.168	1.30	47.6151	9.3
*	28.538	-19.374	0.95	47.6114	9.6	...	9.261	+1.813	-3	...	...	...	8.017	+13.161	1.20	46.6459	9.4
...	28.294	-38.702	-3	...	...	*	9.176	+32.004	1.20	46.6446	9.3	...	8.040	-3.296	-5	Mb	...
...	28.171	-1.602	-5	A	...	...	8.958	-11.377	-2	47.6132	10.2	...	+8.149	-56.073	0.80	47.6152	9.8
...	27.997	+28.669	-3	...	...	...	8.513	-15.328	-4	...	...	...	8.355	-30.035	-1	47.6153	10.2
...	26.823	-47.623	-5	...	...	...	8.442	-17.405	0.65	47.6133	10.2	*	8.589	+3.286	1.00	46.6460	9.8
...	26.698	-16.211	0.90	47.6115	10.1	...	8.358	+6.067	-5	m	...	...	8.629	-7.322	-5	...	...
...	26.530	-21.456	-2	...	...	...	7.789	+57.728	-5	...	...	...	8.939	-20.563	-3	...	...
101	-26.278	-53.896	-5	161	-7.755	+14.820	-1	46.6447	10.1	...	+8.951	+16.869	-3
...	26.214	-12.685	-5	A	...	...	7.446	-16.792	-2	...	...	...	9.171	-0.014	-3	...	...
*	25.832	-43.884	1.10	47.6116	9.6	...	7.396	+41.783	-3	S *	9.262	-57.379	1.30	47.6154	9.0
...	25.392	-6.865	-1	46.6433	10.2	...	7.173	-56.470	-3	...	...	...	9.388	-24.158	-4	...	...
...	25.213	-52.920	-1	47.6117	9.9	...	6.937	+4.579	-3	...	...	...	9.550	-3.361	-3	...	...
+	-25.202	+26.356	1.10	46.6434	9.4	...	6.676	-10.189	-1	47.6134	9.9	...	+9.606	-14.487	-2	...	...
...	25.048	-24.350	0.90	47.6118	9.6	...	6.647	-41.931	-3	...	...	...	9.647	-12.288	-5	...	...
...	24.647	-52.154	-5	...	...	...	6.320	-5.544	-2	46.6448	10.2	...	9.947	-22.964	-2	47.6155	10.2
...	24.106	-36.613	-1	47.6120	10.2	...	6.207	-31.096	-5	m	...	...	10.091	-13.641	-5	...	...
*	24.072	+32.075	1.90	46.6435	8.3	...	5.947	+30.372	-5	m	...	...	10.471	-48.143	-1	47.6156	10.2
III	-23.771	+41.728	-2	46.6436	10.1	...	5.699	-54.970	0.65	47.6136	10.2	...	+10.553	-47.358	-5	...	...
...	23.214	+30.514	0.75	46.6437	9.9	*	5.674	+59.250	1.90	45.6491	8.7	...	11.155	-35.736	-2	...	...
...	22.918	-32.700	-2	...	...	...	5.639	+58.203	0.80	45.6492	10.0	...	11.676	-45.987	0.75	47.6157	10.2
...	22.146	-23.590	-5	...	...	...	5.501	-51.701	-5	...	...	*	12.295	+0.653	1.20	46.6461	9.4
...	22.068	-11.368	0.80	47.6121	10.0	...	5.378	+22.228	-5	Am	...	...	12.330	+53.468	-5	...	...
...	-21.253	+55.235	-1	45.6481	9.9	†	5.274	+22.322	-5	Am	...	...	+12.556	+25.092	-3	...	...
*	21.147	-15.892	1.40	47.6122	9.0	†	5.210	+34.227	-5	S *	12.589	+15.319	2.00	46.6462	8.3
S *	20.750	+44.011	1.40	46.6438	9.0	...	4.964	-16.108	0.65	47.6137	10.1	...	12.874	-31.399	-4	...	...
...	20.515	+32.765	-2	...	...	*	4.187	+18.838	1.00	46.6449	9.6	...	14.891	-42.254	-3	...	...
...	19.886	-21.482	-5	...	...	...	3.753	+48.353	0.95	46.6450	9.6	...	15.564	+15.425	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.			
241-300																				
241	+15·665	-36·671	-4	o	...	301	*	+27·780	-9·434	1·30	47·6169	9·1	361	*	+41·226	-10·211	1·00	47·6184	9·6	
...	15·910	-38·998	-5	27·991	-25·612	0·80	47·6170	10·2	...	*	42·664	-31·633	1·10	47·6186	9·4		
...	16·194	+39·274	-5	...	...	*	28·113	-24·380	0·95	47·6171	9·7	...	42·815	-21·865	-5	...	...	
...	16·885	+39·338	-3	...	...	*	28·354	+53·493	1·90	45·6513	9·0	*	42·980	-0·987	0·90	+46·6484	9·9	
*	17·350	-36·958	1·00	47·6158	9·4	...	28·550	+22·980	-5	b	...	...	43·018	+17·934	-1	...	...	
...	+17·412	-44·179	-4	...	...	...	+28·751	-1·052	-4	...	...	...	+43·244	-46·811	-5	...	...	
...	17·427	+3·088	-3	...	...	†	29·350	+49·940	1·40	46·6471	8·8	...	43·792	-8·156	0·80	47·6187	10·0	
...	17·471	-55·747	-5	...	...	*	29·398	+46·718	1·70	46·6472	8·9	...	46·654	-23·727	0·80	47·6188	10·0	
...	17·505	-21·245	-4	...	...	*	29·873	-7·534	1·10	46·6473	9·4	...	46·862	+24·668	-5	e	...	
...	17·549	-55·167	-5	...	...	*	29·970	-34·200	1·10	47·6172	9·4	*	47·128	+46·640	1·00	+46·6485	9·4	
251	+17·762	-43·966	-5	311	...	+30·204	+22·319	-5	b	+47·254	-7·673	-3		
*	18·147	-13·969	0·95	47·6159	9·6	†	30·289	+24·884	1·80	46·6474	8·8	...	47·279	-25·051	-4	...	...	
...	18·214	-57·371	-3	...	...	...	30·353	-42·875	-5	...	...	...	47·792	-54·280	-1	47·6190	9·8
...	18·280	-19·273	-5	...	...	...	30·374	-33·306	-5	...	...	...	47·857	-36·006	0·90	47·6189	9·8
...	18·283	+26·837	-5	...	...	...	30·379	+25·878	-4	...	...	*	47·944	+15·385	1·10	46·6486	9·4
*	+18·707	+30·816	1·70	46·6463	8·6	...	+30·432	-29·114	-1	47·6173	10·0	...	+49·870	-38·246	-4	...	...	
...	18·739	-57·453	-1	...	...	...	30·690	+28·713	-3	...	...	...	49·948	+35·996	-5	...	...	
*	19·125	-53·399	1·30	47·6161	9·2	*	31·190	+21·119	1·60	46·6475	9·0	...	50·678	-59·012	-4	...	...	
*	19·139	+8·853	1·30	46·6464	9·0	...	31·222	+59·080	-5	...	...	...	51·144	-16·147	-4	...	...	
...	19·293	-23·947	-1	47·6160	10·2	...	31·283	+10·419	-2	46·6476	10·2	*	51·794	+10·154	1·50	+46·6487	8·9			
261	+19·541	-45·236	-5	321	...	+31·286	+41·973	-5	a	+52·738	-15·666	-5		
...	19·884	+43·493	-1	46·6465	10·1	...	31·292	-24·468	-5	...	...	S *	52·889	+20·293	1·80	46·6488	8·8	
...	20·115	+52·625	-4	...	...	...	31·371	-48·119	-5	...	...	...	52·937	-3·878	-5	...	...	
*	20·413	-18·135	1·30	47·6162	9·1	...	31·469	+26·059	-3	...	...	...	53·564	+26·335	-5	...	...	
...	20·442	+4·810	-5	...	...	...	31·677	-46·634	-4	...	...	...	54·368	-52·613	-1	47·6192	10·0
...	+21·054	-18·613	-5	...	...	...	+31·943	-44·644	0·90	47·6174	10·0	*	+54·735	-15·966	0·95	47·6191	9·7
...	21·130	-35·966	-5	...	...	...	32·102	-17·714	-5	...	...	...	55·100	+54·227	-3	45·6534	10·0
...	21·220	-43·994	-1	...	...	...	32·336	+44·692	-5	b	...	*	55·393	-40·635	1·50	47·6194	9·2
*	21·550	-52·344	1·15	47·6163	9·8	...	33·097	-4·833	-5	...	...	...	55·401	-36·254	0·90	47·6195	9·8
...	22·086	+24·334	-5	a	...	...	33·255	+20·066	-5	b	...	...	55·493	-20·927	-1	47·6193	9·9
271	n	+22·421	-23·916	-1	47·6164	9·1	331	*	+33·532	-40·351	1·00	47·6177	9·6	391	*	+56·708	-25·693	0·90	47·6196	9·8
n*	22·456	-24·056	1·10	47·6164	9·1	*	33·643	-31·202	1·20	47·6178	9·4	...	56·966	-6·023	-3	...	...	
...	22·763	-44·329	-5	...	...	*	33·726	+23·490	0·85	46·6477	9·7	...	57·191	+1·914	-4	...	...	
...	23·061	-28·584	-5	...	...	...	33·937	-2·507	-5	...	...	...	57·258	+34·724	-3	46·6489	10·0
...	23·229	-33·235	-4	...	...	...	33·940	+42·618	-3	...	...	*	57·607	-39·030	1·40	47·6197	9·4
...	+23·268	+41·157	-5	a	...	*	+34·285	-37·397	1·00	47·6179	9·6	*	+57·618	-46·082	1·50	47·6198	9·2			
...	23·331	-30·297	-5	...	...	...	34·900	+33·642	-3	...	...	...	57·915	+31·985	-5	e	...
S *	23·474	+52·075	2·00	46·6466	8·5	...	35·230	-10·500	-5	...	...	...	58·359	-36·262	-3	...	...	
...	23·532	-15·708	-5	...	...	...	35·423	+39·221	0·85	46·6478	10·0	...	58·779	+30·199	-5	...	...	
*	24·016	-39·604	0·95	47·6165	9·8	...	35·693	-44·379	-5	...	...	...	58·795	-26·821	-4	...	...	
281	*	+24·288	-22·405	1·00	47·6166	9·7	341	...	+35·720	-35·690	-4	+58·861	+12·022	-2		
...	24·634	+3·417	-5	...	...	*	35·898	+16·937	2·60	46·6479	7·6	†	59·595	-30·338	-4	...	...	
...	24·645	+57·679	-4	45·6512	10·2	...	35·975	-19·142	0·70	47·6180	10·0	...	...	...	...	...	...
...	24·671	+9·001	-4	...	...	...	36·430	-30·703	0·70	47·6181	10·0	...	...	...	...	...	...
...	24·697	-44·513	0·70	47·6167	10·2	*	36·921	+49·662	1·70	46·6480	9·2	...	...	...	...	...	...
...	+25·406	-25·919	-5	...	...	*	+37·154	+3·845	1·10	46·6481	9·5	...	...	...	...	...	...
*	25·494	-10·103	1·30	47·6168	9·2	...	38·638	+56·024	0·90	45·6520	9·9	...	...	...	...	...	...
*	25·519	+50·621	1·15	46·6467	9·6	...	39·173	-36·216	-4	...	...	...	...	...	...	...	...
...	25·760	-8·918	-4	...	...	†	39·363	+34·849	-3	...	...	...	...	...	...	...	...
...	26·068	+15·111	-5	a	...	*	39·585	-49·464	1·35	47·6183	9·4	...	...	...	...	...	...
291	...	+26·242	-32·367	-5	...	+	+39·654	-21·829	1·05	47·6182	9·4	...	...	...	...	...	...
...	26·274	-45·300	-2	...	...	...	39·762	+36·145	-5	...	...	...	...	...	...	...	...
...	26·350	+7·857	-1	46·6469	10·2	...	39·762	+3·387	-5	...	...	...	...	...	...	...	...
...	26·561	+52·008	-3	46·6468	10·1	†	40·254	+9·922	0·90	46·6483	9·6	...	...	...	...	...	...
...	26·834	-43·654	-3	...	...	...	40·323	-28·788	-3	...	...	...	...	...	...	...	...
...	+27·086	-38·266	-3	...	...	...	+40·413	-41·726	-4	...	...	...	...	...	...	...	...
*	27·359	+17·814	1·05	46·6470	9·6	...	40·534	+51·385	0·90	46·6482	9·6	...	...	...	...	...	...
...	27·693	+43·996	-4	...	...	...	40·820	+58·001	-4	45·6522	10·1	...	...	...	...	...	...
...	27·720	-36·852	-3	...	...	*	40·977	-34·318	1·00	47·6185	9·6	...	...	...	...	...	...
...	27·728	+1·856	-4	...	...	...	41·150	-41·202	-4	...	...	...	...	...	...	...	...

271, 272. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
1-60						61-120						121-180						
I	-59.888	+17.664	0.85	o	...	61	-50.096	+20.333	1.60	46.6488	8.8	121	-42.709	-30.755	-5	o M	...	
...	59.874	-41.512	-3	...	...	...	49.841	+3.689	-5	M	...	...	42.696	-26.561	-1	...	...
...	59.824	-56.310	-5	...	...	...	49.771	-59.017	0.85	...	...	...	42.527	+19.155	-1	...	...
*	59.337	-1.246	1.00	46.6484	9.9	...	49.616	+26.402	0.65	...	...	...	42.371	-10.100	-5	M	...
†	59.304	+55.215	-3	B	...	...	49.519	+51.832	-1	A	...	...	42.135	-56.868	0.65	...	...
...	-59.038	+41.345	-2	...	...	...	-49.307	-0.291	-4	M	...	...	-42.063	+1.946	-4	M	...
...	58.829	-22.125	-2	...	...	...	49.271	-3.820	-3	...	...	...	42.002	+26.761	-3	A	...
*	58.665	-31.893	1.30	47.6186	9.4	...	49.263	+23.218	-3	A	...	...	41.949	+26.722	-4	M	...
...	58.454	-44.768	-3	...	...	...	49.209	-44.796	-3	...	...	...	41.931	+36.267	-5	M	...
...	58.335	-13.472	-4	...	...	...	49.095	-15.622	-3	...	...	...	41.810	+36.395	-5	M	...
II	-58.287	-8.386	0.95	47.6187	10.0	...	71	131	...	-41.754	-30.058	0.65
†	57.869	+29.258	-5	M	...	...	48.966	+54.329	1.00	45.6534	10.0	...	41.651	-3.136	-3	...	...
...	57.757	+14.602	-2	...	...	...	48.782	-53.725	-5	M	...	...	41.515	-2.350	-4	M	...
...	57.603	-47.063	-2	...	...	...	48.644	-35.716	-5	M	...	...	41.484	-42.429	-5	M	...
...	57.322	-31.368	-5	M	...	...	48.494	-46.190	-5	M	...	...	41.385	+57.554	-1	B	...
...	-57.269	-45.437	-3	...	...	...	-48.236	+11.975	-3	...	...	...	-41.373	+52.213	-4	M	...
...	57.248	+0.272	-3	...	...	...	47.918	-4.873	-4	M	...	S *	41.187	-31.915	2.00	47.6199	8.3
...	57.187	+4.267	-5	M	...	...	47.900	-34.261	-5	M	...	...	41.128	+29.957	0.65	...	...
...	57.159	+4.941	-5	M	...	...	47.703	+45.116	-5	M	...	...	41.036	+54.523	1.20	45.6539	9.8
...	57.053	-15.293	-5	M	...	...	47.589	-54.676	-5	M	...	...	40.973	-36.006	-5	M	...
III	-56.689	+46.488	1.30	46.6485	9.4	...	81	141	...	-40.927	-50.695	-4	M	...
...	56.252	+24.506	-2	E	...	...	47.105	+5.135	-5	M	...	...	40.876	-45.876	-2	...	...
...	56.143	-51.331	-3	...	...	...	47.100	-15.856	1.05	47.6191	9.7	...	40.704	+50.145	0.65	...	...
...	56.109	+41.452	-4	M	...	...	46.569	+11.120	-5	M	...	...	40.703	+49.990	0.80	46.6490	10.0
...	55.351	+0.503	-5	M	...	...	46.299	-52.480	1.10	47.6192	10.0	...	40.680	-10.784	-1	...	...
*	-54.929	-23.871	0.90	47.6188	10.0	...	-46.185	-21.403	-4	M	...	...	-40.668	+28.523	-5	M	...
†	54.885	+15.275	1.00	46.6486	9.4	...	46.177	+34.899	0.80	46.6489	10.0	...	40.645	-26.113	-5	M	...	
...	54.830	-7.794	-1	...	...	...	46.162	-20.795	0.95	47.6193	9.9	...	40.622	-1.014	-5	M	...
...	54.264	-25.174	-1	...	...	...	45.923	+51.040	-1	B	...	...	40.508	+23.211	-3	A	...
...	53.929	-53.900	-4	M	...	...	45.766	-36.111	1.05	47.6195	9.8	...	40.408	+1.163	0.80	...	...
IV	-53.743	+58.495	-4	M	91	151	...	-40.368	-53.958	-3
...	53.532	+35.948	-2	...	...	...	45.435	+32.181	0.70	E	...	...	39.965	+7.737	-4	M	...
...	53.464	+11.126	-5	M	...	...	45.214	+2.098	-2	...	...	...	39.924	-23.541	-4	M	...
...	53.320	+50.601	-5	M	...	...	45.179	-5.843	-2	...	...	...	39.814	+1.431	-3	...	...
*	53.319	-36.098	1.00	47.6189	9.8	...	45.140	-30.998	-5	M	...	...	39.794	+46.170	-4	M	...
...	-52.875	+31.398	-2	A	...	...	-45.063	-29.446	-5	...	...	...	-39.786	+1.960	-3	...	...
...	52.808	+41.926	-5	M	...	...	45.008	-39.898	-3	...	...	...	39.649	-5.839	-4	M	...
...	52.802	-44.194	-4	M	...	...	44.885	+49.922	-3	B	...	...	39.400	-37.007	-5	M	...
*	52.796	-54.362	1.00	47.6190	9.8	...	44.885	-26.629	-5	M	...	...	39.356	-34.967	-1	...	...
...	52.615	-44.810	-5	M	...	...	44.841	-9.032	-5	M	...	...	39.224	+35.607	1.00	46.6492	9.7
V	-52.606	-13.322	-3	A	101	161	...	-39.061	-56.197	-1
...	52.447	-29.855	-4	M	...	...	44.796	+0.982	-5	M	...	...	39.004	+51.262	0.95	...	...
...	52.437	-14.334	-3	...	...	...	44.621	-15.629	-4	M	...	...	38.961	+10.936	0.85	46.6491	9.8
...	52.092	-10.520	-4	M	...	...	44.549	-29.430	-5	M	...	...	38.903	-23.463	-3	...	...
...	51.949	-44.923	-4	M	...	...	44.535	+30.417	-2	...	...	...	38.826	+8.253	-3	...	...
...	-51.851	+56.628	-4	M	...	...	-44.117	+18.749	-5	M	...	...	-38.813	+43.255	-1	...	...
...	51.707	+31.484	-3	B	...	...	44.097	+37.690	-3	B	...	...	38.792	-18.945	-5	M	...
...	51.587	+54.003	-2	B	...	...	44.029	-14.007	-3	...	...	...	38.781	-52.036	-1	...	...
...	51.548	-18.439	-3	...	...	...	44.027	+59.829	-5	M	...	...	38.720	-24.412	-2	...	...
...	51.537	-34.025	-3	...	...	...	43.956	-33.032	-4	M	...	...	38.583	-31.576	-5	M	...
VI	-51.505	+35.382	-4	M	111	171	...	-38.370	+16.740	-1
...	51.233	-35.439	-3	A	...	...	43.869	+12.260	0.65	...	...	...	37.963	+32.604	-2	B	...
...	51.226	-38.274	0.80	...	...	...	43.713	+18.587	-5	M	...	...	37.815	+12.465	0.80	46.6493	10.0
...	51.068	+18.219	-3	M	...	...	43.484	-38.808	1.20	47.6197	9.4	...	37.786	-52.668	-5	M	...
...	50.981	-34.720	-3	...	...	...	43.243	-45.849	1.40	47.6198	9.2	...	37.451	+47.707	-5	M	...
*	-50.859	+10.181	1.70	46.6487	8.9	...	-43.217	-58.692	0.75	...	...	...	-37.370	-3.103	-4	...	...
...	50.660	-16.145	-1	...	...	...	43.153	+12.905	-4	M	...	...	37.335	+59.278	-4	M	...
...	50.644	-10.684	-4	M	...	...	42.994	+9.003	-3	...	...	...	37.213	+6.048	-4	M	...
...	50.227	+39.042	-3	B	...	...	42.818	-36.019	0.80	...	...	...	36.814	+53.429	-3	B	...
...	50.179	+53.706	-4	D	...	...	42.756	-1.624	-5	M	...	...	36.755	+37.459	-1	...	...

MC measured from 1, 152, 323, 471, 627, 781.
ES .., .., 62, 237, 398, 550, 694, 848.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
181-240																		
181	-36·683	-55·344	-5	° M	...	241	-29·466	+40·440	-4	° M	...	301	-23·054	+19·279	-5	° M	...	
*	36·562	-15·584	1·00	47.6201	9·4	...	29·398	+43·936	-5	M	...	...	22·826	+35·106	0·90	46.6502	9·9
...	36·504	-16·103	-1	...	...	...	28·801	-10·354	-4	...	...	...	22·704	-25·846	-4	M	...
...	36·394	-33·497	-5	M	...	*	28·777	+41·281	1·40	46.6497	8·9	...	22·105	-17·646	-5	M	...	
...	36·354	+35·016	-1	...	...	...	28·646	-39·251	-3	...	...	...	22·043	-25·114	-5	M	...
...	-36·324	-51·858	-3	...	...	...	-28·592	-39·654	-4	M	...	*	-21·952	+31·204	1·05	46.6503	9·5
*	36·210	-2·835	1·00	46.6494	9·4	...	28·571	+32·831	-5	M	...	*	21·817	+44·568	1·35	46.6504	9·1	
...	36·203	-7·797	-5	M	...	...	28·430	-57·969	-4	M	...	...	21·789	+57·975	-5	M	...
...	36·073	+20·033	-5	M	...	...	28·231	-40·220	-5	M	...	...	21·634	+11·079	-3	...	...
...	35·787	-14·247	0·70	...	...	...	28·128	-53·481	-1	...	...	...	21·382	+34·922	-5	M	...
191	-35·671	-42·585	-1	...	...	251	-28·031	+3·326	-5	M	...	311	-21·302	-20·315	-5	M	...
...	35·559	+34·511	-3	D	...	...	27·938	-40·256	-5	M	...	...	21·261	+5·128	-5	M	...
...	35·525	-5·945	-5	M	...	...	27·904	-30·327	-5	M	...	...	21·163	+5·032	-4	M	...
...	35·519	-58·516	-1	...	...	*	27·813	+57·037	0·95	45.6548	10·0	...	21·075	-40·698	-4	M	...
...	35·518	+57·686	-3	B	...	*	27·800	-2·c66	1·15	46.6498	9·4	...	20·933	-32·451	-5	M	...	
...	-35·339	-40·288	-3	...	...	*	-27·676	-31·410	2·10	47.6205	8·4	*	-20·891	-16·723	1·00	47.6209	9·4
...	35·291	-19·288	-4	...	...	*	27·614	+52·178	0·90	...	...	...	20·778	+41·907	-5	M	...
...	35·286	-44·610	0·80	...	...	...	27·493	-41·745	-5	M	...	...	20·358	-39·481	-4	M	...
...	35·283	+5·587	-5	M	...	...	27·352	-17·489	-5	M	...	...	20·344	-39·916	-3	...	...
...	34·970	-39·288	-5	M	...	...	27·349	+39·760	-5	M	...	...	20·223	-45·455	-5	M	...
201	-34·942	-42·408	-3	B	...	261	-26·938	-21·012	-3	...	...	321	-20·185	+31·861	-5	M	...
...	34·814	-45·656	-5	M	...	S *	26·829	-47·235	1·50	47.6206	9·0	...	20·157	+24·897	-5	M	...	
...	34·712	-53·389	0·70	...	...	...	26·742	+41·956	0·65	...	...	...	19·842	+2·275	-5	M	...
...	34·599	-21·821	-5	M	...	...	26·700	+23·295	-1	...	...	...	19·574	+8·382	-1	...	...
...	34·412	+15·770	-4	M	...	...	26·690	-49·356	-5	M	...	...	19·349	+17·543	-3	...	...
...	34·348	+7·839	-3	...	...	...	-26·632	-54·990	0·65	...	...	...	-19·121	+42·904	0·75	...	...
...	34·279	+25·164	-3	...	...	...	26·336	+24·353	-5	M	...	...	18·976	-56·668	-4	...	...
...	34·225	-32·952	-5	M	...	...	26·296	+44·830	-5	M	...	...	18·722	+33·576	-4	M	...
...	34·207	-5·100	-5	M	...	...	26·177	-12·869	-3	...	...	...	18·531	-47·229	-5	M	...
...	33·949	-0·457	-3	A	...	...	26·031	+44·977	-4	M	...	...	18·506	+55·014	-3	B	...
211	*	-33·898	+5·517	2·00	46.6495	8·4	271	-25·944	+7·403	-5	M	...	331	-18·337	-43·486	-1
...	33·783	+30·604	-1	...	...	*	25·879	+31·416	2·50	46.6499	7·9	...	18·273	+17·085	-3	...	...
...	33·509	-3·663	-3	A	...	...	25·870	+18·797	-5	M	...	...	18·211	+34·396	-1	...	...
...	33·350	-18·448	-4	M	...	...	25·867	-25·727	-4	M	...	...	17·982	+46·190	-5	M	...
...	33·058	+26·773	-5	M	...	...	25·801	-29·347	-5	M	...	...	17·776	+11·114	-3	...	...
...	32·982	-41·824	-3	A	...	*	-25·743	+46·758	1·05	46.6500	9·5	*	-17·683	-21·136	1·80	47.6211	8·8	
...	32·715	+35·370	-5	M	...	...	25·568	-7·928	0·70	...	...	...	17·644	-12·070	-5	M	...
...	32·683	+26·914	-3	B	...	...	25·425	-28·041	-4	...	...	*	17·525	-3·378	0·95	46.6505	10·0
...	32·680	-50·475	-3	...	...	...	25·350	-33·245	0·65	...	...	...	17·511	-5·304	-3	...	...
...	32·662	-46·356	-5	M	...	...	25·224	+3·882	-4	...	...	...	17·352	-43·264	-4	M	...
221	*	-32·347	-40·482	1·60	47.6203	8·9	281	-25·037	-35·754	-5	M	...	341	-17·331	-46·900	-4	M	...
...	32·239	+9·700	-1	...	...	...	24·887	-43·163	-5	M	...	...	17·325	-56·912	-5	M	...
...	32·184	+21·999	-5	M	...	†	24·744	-9·610	-4	M	...	*	16·894	+7·627	1·30	46.6506	8·0	
...	32·150	-50·163	-5	M	...	...	24·718	-15·331	-5	M	...	*	16·743	+7·659	2·00	46.6506	8·0
*	31·963	-45·425	1·20	47.6204	9·2	...	24·702	-10·031	-4	...	...	...	16·849	-44·736	-2	...	...
...	-31·756	+25·993	-4	M	...	...	-24·471	-16·225	-3	...	...	*	-16·779	-48·771	0·90	47.6212	9·9
...	31·619	-24·501	-1	...	...	...	24·093	+25·865	-2	...	...	...	16·636	+9·524	-2	...	...
...	31·547	-47·145	-1	...	...	...	23·994	+18·381	-5	M	...	...	16·569	+31·988	-4	M	...
...	31·431	+0·953	-1	...	...	...	23·914	-35·553	-3	...	...	...	16·496	+28·253	0·70	...	...
...	31·399	-3·155	-2	...	...	S *	23·718	+44·119	2·15	46.6501	8·2	...	16·494	-24·979	-3	...	...
231	*	-31·106	-12·555	-5	M	...	291	-23·681	-28·750	-5	M	...	351	-16·413	+2·080	-1
...	30·896	+0·409	-4	M	...	...	23·663	+45·653	-4	M	...	...	16·402	+4·182	-4	M	...
...	30·813	-45·430	-5	M	...	...	23·544	+52·783	0·90	45.6551	10·0	...	16·354	+51·130	-1	...	...
...	30·458	-10·882	-5	M	...	...	23·341	+52·918	-5	M	...	*	15·920	-0·751	1·00	46.6507	9·6
...	30·337	-19·969	-1	...	...	*	23·330	+56·440	1·25	45.6553	9·4	*	15·870	+35·664	0·90	46.6508	10·0
...	-30·320	+28·608	-1	...	...	...	-23·236	+30·871	-5	M	...	*	-15·833	+32·841	1·50	46.6509	9·0
†	30·003	+32·200	-3	...	...	...	23·204	-38·477	-4	M	...	...	15·817	-33·367	-3	A	...
...	29·966	-47·037	-5	M	...	...	23·160	-3·931	-5	A	...	...	15·444	-9·559	-5	M	...
...	29·738	+0·520	-3	...	...	...	23·152	-37·434	-3	...	...	...	15·416	+10·222	-2	...	...
S *	29·553	+0·881	2·10	46.6496	8·2	...	23·086	-3·278	-5	M	...	...	15·393	+56·915	-4	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
361-420																	
361	-15°326	+27°408	-1	o	...	421	-6°369	-2°170	-5	M m	...	481	+1°392	-6°146	0°75	46°6521	10°0
...	15°296	+41°842	-4	M	...	*	6°335	+29°534	1°05	46.6518	9°4	...	1°663	+12°712	0°85	46.6522	10°0
†	15°179	+0°664	0°95	46.6510	9°6	...	6°248	-5°492	-2	...	...	...	1°716	-22°715	-5	M m	...
*	15°089	-47°562	0°90	47.6213	9°6	...	6°103	-33°024	-4	M	...	...	2°132	-3°464	-4	M	...
...	15°030	-47°733	-5	M	...	...	5°985	-35°273	-5	M m	...	...	2°201	+23°313	0°90	46.6523	10°0
...	-14°557	-31°099	0°85	47.6214	10°0	...	-5°855	+56°666	-3	...	...	*	+2°427	-43°789	1°70	47.6224	8°9
...	14°453	-4°202	-5	M	...	...	5°688	+12°757	-5	M m	...	*	2°458	-14°537	0°95	47.6225	9°9
...	14°113	+45°529	0°80	46.6511	10°0	...	5°682	-30°128	-5	M m	...	...	2°523	+44°058	0°80	46.6524	10°0
...	14°025	+39°676	-5	M	...	...	5°659	-12°855	-4	M m	...	*	3°087	-47°809	2°40	47.6226	8°0
...	13°959	+22°119	-4	...	...	...	5°633	-46°568	-3	M	...	*	3°109	+7°452	1°20	46.6525	9°4
371	-13°858	-32°463	-3	...	...	431	-5°567	+17°396	-4	m	...	491	+3°333	+33°026	-2	...	...
...	13°554	+48°654	-3	...	...	...	5°517	-45°698	-5	M m	...	...	3°374	-13°985	-1	47.6227	10°0
*	13°140	+33°288	0°90	46.6512	10°0	...	5°462	-7°471	-4	M m	...	*	3°466	-48°148	2°70	47.6228	8°2
...	13°117	-13°626	0°65	...	...	...	5°263	-40°344	-4	M	...	...	3°579	-33°812	-3	...	...
*	13°046	-3°257	1°00	46.6513	9°9	...	5°019	+29°213	0°70	46.6519	10°0	*	3°641	-13°834	0°90	47.6229	10°0
...	-12°797	+47°850	-5	M	...	...	-4°951	+54°677	-3	...	...	*	+3°643	+3°582	1°20	46.6526	9°4
...	12°789	+23°018	-4	M	...	...	4°822	-25°748	-3	...	...	*	3°889	-49°784	1°50	47.6230	9°1
...	12°404	+46°503	-5	M	...	...	4°681	+12°676	-4	M m	...	...	4°095	+28°482	-1	...	...
...	12°164	-46°123	-5	M	...	...	4°635	-42°316	-4	...	...	...	4°253	-53°524	-3	...	...
...	11°868	+13°315	0°80	46.6514	10°0	...	4°617	+42°742	-1	...	...	...	4°278	-21°684	-5	M m	...
381	-11°691	-3°561	-5	...	...	441	-4°521	+13°723	-2	...	...	501	+4°648	+3°759	-4	M m	...
...	11°620	-2°242	-4	M	...	...	4°514	-33°904	-5	M m	...	...	4°695	-56°237	-3	...	...
*	11°575	-53°430	1°10	47.6217	9°4	...	4°117	-40°537	-1	...	...	...	4°723	-20°206	-3	...	...
...	11°468	-5°881	-4	...	...	...	3°805	+4°729	-5	M m	...	*	4°784	-48°490	-5	...	...
...	11°424	+17°349	-4	M	...	...	3°800	+29°964	-5	M m	...	*	4°798	+14°605	-3	...	...
...	-11°249	+46°126	-4	M	...	...	-3°726	+6°486	-4	M m	...	*	+4°940	+55°391	0°80	45.6570	10°0
...	11°249	-51°095	-3	...	...	...	3°705	+2°715	-5	M m	...	*	5°181	-53°180	0°90	47.6232	10°0
...	11°204	-15°040	-4	...	...	...	3°699	+26°295	-5	M m	...	*	5°183	+5°057	-4	M m	...
...	11°203	+53°996	-3	...	...	...	3°545	-41°073	-5	M m	...	*	5°295	+4°366	-3	46.6527	10°0
...	10°787	-26°864	-2	...	...	...	3°504	+7°948	-5	M m	...	*	5°357	+4°318	-4	M m	...
391	-10°706	-45°287	0°70	...	...	451	-3°501	-29°017	0°65	47.6221	10°0	511	+5°554	+29°606	-4	M m	...
...	10°699	+59°776	-3	...	...	...	3°283	+19°768	-5	M m	...	*	5°561	+22°902	1°80	46.6528	8°7
...	10°690	-12°864	-3	...	...	...	3°059	-33°345	-5	M m	...	*	5°752	+43°829	-1	...	...
*	10°409	+57°315	1°20	45.6561	9°4	...	2°876	+59°231	-1	...	...	*	6°013	-27°156	-3	...	...
...	10°303	-6°334	-4	M	...	...	2°631	-58°104	-5	M m	...	*	6°046	+15°825	-4	m	...
...	-10°286	-17°116	-2	...	...	...	-2°451	-48°896	-5	M m	...	S *	+6°085	+35°828	4°80	46.6529	6°5
*	10°208	+32°993	0°90	46.6515	9°8	...	2°259	+51°869	-3	...	...	*	6°244	+1°230	-2	M	...
†	10°048	+28°641	-2	46.6516	10°0	*	2°078	+41°740	1°00	46.6520	9°6	...	6°616	-37°681	-5	M m	...
†	10°043	+45°012	-5	M	...	...	2°058	-49°213	0°70	...	...	*	6°655	+55°835	-5	M m	...
...	9°818	-17°410	-5	M	...	...	1°933	-46°377	0°70	...	...	*	6°707	-37°559	-5	M m	...
401	-9°792	+51°945	0°75	...	...	461	-1°780	-43°010	-2	...	...	521	+6°741	+18°380	0°80	46.6530	9°9
...	9°757	+2°020	-4	...	...	...	1°594	+41°887	-2	...	...	...	6°754	+55°834	0°90	45.6572	10°0
*	9°746	+20°648	-5	M	...	...	1°574	-43°927	-4	...	...	...	7°043	+41°120	-3	...	...
*	9°678	-31°406	0°80	47.6219	10°0	...	1°527	-5°557	-1	...	...	*	7°050	-37°707	0°90	...	...
...	9°676	-36°368	-4	M	...	...	1°413	+31°348	-3	...	...	*	7°096	+26°916	0°90	46.6531	9°8
...	-9°472	-41°034	-2	...	...	...	0°943	-47°229	-5	M m	...	*	7°558	+40°120	0°65	...	...
...	9°161	+39°365	-2	...	...	...	0°912	+60°035	-4	M	...	...	7°662	+58°674	-1	...	...
*	9°131	-46°609	1°90	47.6220	8°6	...	0°904	-30°828	-5	M m	...	*	7°668	+18°900	0°95	46.6532	9°5
...	9°068	-34°192	-5	M m	...	...	0°481	+4°964	-5	M m	...	...	7°817	-8°913	0°65	...	...
...	8°956	+1°108	-5	M	...	...	-0°264	+13°927	-3	m	...	...	7°898	+29°811	-4	M	...
411	-8°822	-25°500	-5	M m	...	471	+0°189	-55°245	1°70	47.6222	8°8	531	+8°012	+38°360	-3	...	...
...	8°808	-22°389	-5	M m	...	...	0°238	-57°622	-5	M m	...	*	8°101	-22°584	1°70	47.6233	8°7
...	8°359	+59°310	-4	M	...	...	0°390	+25°936	-4	m	...	*	8°139	-5°276	-2	...	...
*	8°057	+35°899	0°95	46.6517	9°5	...	0°399	-36°082	-2	...	...	S *	8°224	-22°216	2°90	47.6234	8°0
...	7°733	-26°749	-4	...	...	...	0°765	-18°695	0°85	47.6223	10°0	...	8°394	-9°998	-3	M	...
...	-7°683	-13°371	-5	M m	...	...	+0°793	+51°759	-1	...	...	+	8°669	-5°309	0°80	46.6533	10°0
...	6°884	-54°944	-5	m	...	...	0°861	-46°995	0°70	...	...	*	8°863	-34°406	-4	M	...
...	6°812	+42°390	-4	m	...	...	1°171	-58°552	-5	M	...	*	8°918	-33°765	0°90	47.6235	9°9
...	6°606	-44°224	-5	M m	...	...	1°236	-33°074	-1	...	...	...	9°011	+13°746	-4	m	...
...	6°393	+9°151	-3	...	...	...	1°303	-4°935	-5	M m	...	...	9°050	-59°197	0°65	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
541-600																		
541	+ 9.053	+ 2.021	- 4	m	...	601	+ 16.835	+ 44.129	- 5	m	...	661	+ 25.954	+ 30.614	- 5	m	...	
*	9.092	+ 56.621	0.90	45.6576	10.0	...	17.128	+ 6.590	- 5	m	...	...	26.053	- 18.982	- 4	...	...
...	9.168	+ 20.685	- 2	...	...	...	17.186	- 5.736	- 4	m	...	...	26.125	+ 52.265	- 5	m	...
*	9.394	+ 9.164	1.00	46.6534	9.7	...	17.213	- 28.348	- 4	...	...	...	26.398	+ 35.365	- 2	...	...
...	9.494	- 57.303	- 4	...	...	...	17.236	- 55.334	- 5	m	...	...	26.462	- 52.582	- 2	...	...
...	+ 9.690	+ 2.545	- 3	b	...	...	+ 17.336	+ 37.203	- 2	...	...	...	+ 26.502	- 19.435	- 3	...	...
...	9.698	+ 13.740	- 4	m	...	...	17.730	- 14.802	- 5	m	...	...	26.716	+ 30.589	- 5	m	...
...	9.727	+ 50.460	0.70	...	...	...	17.748	- 25.185	- 2	...	...	...	27.101	- 22.678	- 3	...	...
...	9.926	- 8.672	- 4	m	...	...	17.750	+ 38.755	- 4	m	...	...	27.120	- 33.855	- 5	m	...
...	10.015	+ 32.973	- 4	...	...	...	17.867	+ 52.104	- 5	m	...	...	27.238	+ 39.623	- 5	m	...
551	+ 10.210	+ 12.493	2.00	46.6535	8.6	...	+ 17.879	- 16.021	- 5	m	...	...	+ 27.302	- 32.133	- 3	a	...
...	10.377	- 6.845	- 1	...	...	*	17.888	+ 9.455	1.15	46.6540	9.4	...	27.651	- 27.757	- 5	m	...
...	10.835	- 54.454	- 3	...	...	...	17.909	- 35.583	- 2	...	...	...	27.821	- 55.815	- 3	...	...
*	10.982	- 43.537	1.05	47.6236	9.6	...	18.131	- 36.414	- 2	...	...	...	27.895	- 15.848	- 4	...	...
...	10.992	+ 37.368	- 5	m	...	...	18.435	- 46.860	- 1	...	...	...	27.946	- 43.048	- 3	...	...
...	+ 11.092	+ 3.319	- 4	m	...	...	+ 18.538	+ 24.508	- 4	m	...	...	+ 27.984	+ 48.359	- 4	m	...
*	11.386	- 44.255	1.05	47.6237	9.7	...	18.584	- 7.540	- 3	...	...	...	28.028	+ 22.127	0.80	...	...
...	11.479	+ 52.377	- 5	m	...	...	18.646	+ 30.919	- 3	...	...	S *	28.078	+ 21.778	4.70	46.6546	6.8
...	11.486	- 54.206	- 5	m	...	...	18.673	- 12.328	- 5	m	...	*	28.161	- 56.819	1.40	47.6245	9.0
...	11.493	+ 14.109	0.65	...	...	*	18.796	- 3.956	1.00	46.6541	9.6	...	28.230	- 19.211	- 2	...	...
561	+ 11.507	+ 40.903	- 5	m	...	...	+ 18.855	+ 35.000	- 3	...	...	621	681	...	...	...
*	11.576	- 37.993	1.20	47.6238	9.2	...	18.888	- 42.078	- 2	+	28.304	- 27.663	- 5	m	...
...	11.591	- 14.372	- 5	m	...	...	18.904	+ 25.178	- 4	m	...	...	28.348	- 38.263	0.65	...	...
*	11.629	- 46.044	0.90	...	...	...	19.398	- 35.544	- 4	...	...	...	28.564	- 51.438	- 1	...	...
*	11.871	- 29.800	1.15	47.6239	9.4	*	19.431	+ 55.442	1.40	45.6583	9.2	...	28.612	+ 13.623	- 3	...	...
...	+ 12.183	+ 12.782	- 5	m	...	...	+ 19.579	+ 32.276	- 5	m	...	...	+ 28.870	+ 3.594	- 5	m	...
...	12.315	- 47.841	- 5	m	...	...	19.848	+ 13.335	- 4	m	...	...	28.971	- 6.638	- 5	m	...
...	12.506	- 43.014	- 2	...	...	*	20.078	+ 45.917	1.00	46.6542	9.5	...	29.237	+ 37.648	- 5	m	...
...	12.507	- 9.978	- 5	m	...	...	20.330	+ 12.459	- 1	...	...	...	29.262	+ 0.691	- 4	...	...
†	12.561	+ 25.191	- 4	...	...	...	20.378	- 7.902	- 4	...	...	...	29.289	+ 46.311	- 3	...	...
571	+ 13.285	- 16.149	- 4	...	...	...	+ 20.405	- 31.723	- 5	...	...	631	691	...	...	...
...	13.333	- 52.263	- 5	m	...	...	20.564	- 58.450	- 2	...	...	*	29.546	+ 57.117	1.70	45.6592	8.9
...	13.360	- 37.342	- 4	...	...	...	20.692	+ 55.442	- 5	m	...	...	29.561	+ 16.225	- 2	...	...
...	13.520	- 5.208	- 4	...	...	*	20.795	- 39.974	1.50	47.6240	8.9	...	29.795	- 9.579	- 4	...	...
...	13.643	- 26.974	- 5	m	...	...	20.997	+ 13.233	- 4	m	...	...	30.093	- 32.916	0.80	...	...
*	+ 13.717	- 6.121	- 5	m	...	*	+ 21.047	- 18.303	0.90	47.6241	9.6	...	+ 30.203	- 13.196	- 5	m	...	
*	13.888	- 6.599	1.00	46.6536	9.7	*	21.127	+ 7.573	0.90	46.6543	9.9	...	30.354	- 53.579	0.65	...	...
...	13.968	+ 48.763	- 5	m	...	...	21.153	- 21.257	- 3	...	...	...	30.648	- 31.200	0.70	...	...
...	13.985	+ 34.103	- 3	...	...	...	21.493	+ 35.297	- 5	m	...	...	30.732	- 16.130	- 4	...	...
...	14.086	- 1.723	- 5	m	...	...	21.770	+ 6.173	0.80	46.6544	10.0	...	30.879	+ 10.410	- 3	...	...
581	+ 14.374	+ 32.508	- 5	m	...	...	+ 21.890	- 17.141	- 3	...	...	641	701	...	...	...
*	14.431	- 38.743	0.80	...	...	...	21.932	- 34.797	- 3	...	...	*	28.894	- 45.612	- 3	...	...
...	14.442	+ 0.870	- 5	m	...	*	22.277	- 8.291	1.00	47.6242	9.6	...	31.205	- 43.571	- 5	m	...	
...	14.479	+ 55.835	- 4	...	...	*	22.431	+ 37.020	1.20	46.6545	9.4	...	31.222	- 17.892	- 5	m	...
...	14.621	+ 4.391	0.65	46.6537	10.0	...	22.564	+ 7.810	- 3	a	...	...	31.335	- 42.083	- 5	m	...
...	+ 14.662	- 50.664	- 5	m	...	...	+ 22.857	+ 7.925	- 4	m	...	*	31.407	- 22.710	1.00	47.6246	9.5
...	14.864	- 41.951	- 5	m	...	...	22.858	- 17.866	0.70	47.6243	10.0	...	31.467	- 21.083	- 4	m	...
...	15.155	- 5.568	- 3	...	...	...	23.008	+ 7.613	- 4	m	...	...	31.605	+ 23.754	- 1	...	...
...	15.708	- 31.488	- 1	...	...	...	23.473	+ 57.719	- 5	m	...	...	31.647	+ 1.705	- 5	m	...
...	15.791	- 25.095	- 2	...	...	...	23.519	- 39.254	- 5	m	...	...	31.733	- 38.342	- 5	m	...
591	+ 15.813	- 21.061	- 2	...	...	...	+ 23.622	- 14.503	- 3	...	...	651	711	...	...	...
...	15.837	+ 35.572	- 5	m	...	...	23.745	- 48.441	- 5	m	...	*	31.767	+ 3.553	- 5	m	...
...	15.948	- 55.378	- 5	m	...	...	23.750	+ 24.642	- 4	m	...	...	31.816	+ 48.674	0.90	46.6547	10.0
...	16.271	+ 2.397	- 5	m	...	...	24.361	+ 32.228	- 5	m	...	...	31.850	- 15.646	- 4	...	...
...	16.286	- 50.737	0.65	...	...	...	24.439	- 57.583	- 2	...	...	...	31.852	+ 4.719	- 5	m	...
...	+ 16.377	- 47.986	0.65	...	...	...	+ 24.672	+ 38.809	- 5	m	...	...	31.910	+ 23.127	- 5	m	...
*	16.433	+ 26.831	1.10	46.6538	9.4	†	25.044	- 14.732	- 3	...	...	...	+ 31.935	+ 51.603	- 3	...	...
...	16.517	+ 14.614	- 4	m	...	...	25.083	- 50.651	- 1	...	...	*	31.970	- 34.811	- 5	m	...
*	16.568	+ 45.498	1.25	46.6539	9.1	...	25.222	- 23.513	- 3	...	...	*	32.027	- 45.561	1.10	47.6247	9.4
...	16.661	- 8.638	- 5	...	...	...	25.393	- 43.597	- 5	m	...	...	32.030	- 56.519	1.00	47.6249	9.7

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
721-780																		
721	* +32°104	-40°115	1°25	47.6248	9°0	781	+40°020	+28°057	-5	m	...	841	+47°750	-0°876	-4	e	...	
...	32°386	-17°952	-3	...	...	...	α 40°033	-0°172	0°65	46.6552	10°0	...	47°869	+3°131	-5	e	...
*	32°463	-6°318	0°90	46.6548	9°9	...	40°092	+31°708	0°90	46.6551	10°0	...	48°248	-34°723	-5	e	...	
*	32°589	-36°223	1°20	47.6250	9°0	...	40°300	-53°142	-2	...	...	...	48°382	+46°291	-5	...	...
...	32°605	-42°150	-5	m	...	...	40°556	+5°832	-3	...	...	...	48°697	-40°743	-3	e	...
...	+32°674	-54°418	-4	m	...	...	+40°622	-55°468	-2	...	...	...	+49°098	+29°434	-1	...	...
...	32°717	-20°334	-3	...	...	...	40°724	+41°743	-2	...	...	...	49°291	-50°060	-4	...	...
†	32°784	-44°558	-5	m	...	...	* 40°751	+19°455	1°00	46.6553	9°5	...	49°852	+27°650	-5	e	...
...	32°886	-22°601	-5	m	...	...	* 40°983	-19°512	1°00	47.6262	9°4	*	50°090	+16°871	0°90	46.6564	9°9
...	32°938	+24°723	-5	m	...	...	* 41°108	+23°738	3°00	46.6554	7°6	...	50°266	-8°954	-3	...	...
731	...	...	...	...	...	791	...	...	...	...	...	851	...	...	...	...	...
...	+33°191	-43°457	-5	m	...	...	+41°370	-23°830	-4	...	...	...	+50°758	+24°233	-5	e	...
...	33°490	-52°349	-4	m	...	...	41°455	+13°665	0°65	46.6555	9°9	...	50°856	+39°593	-5	m	...
...	33°606	-25°043	-4	...	...	...	* 41°565	+7°695	0°90	46.6556	9°6	...	50°898	-40°951	0°80	...	...
...	33°792	+18°534	-5	m	...	...	41°595	-27°252	-4	e	...	...	50°956	-36°354	-1	...	...
...	34°004	-43°762	-5	m	...	...	41°635	-58°502	-5	m	...	...	51°033	-36°390	0°95	47.6271	9°4
...	+34°357	-43°466	-5	m	...	...	+41°894	+1°826	-5	m	...	...	+51°252	-0°105	-4	e	...
...	34°462	-51°599	0°75	...	...	...	42°430	+49°125	1°60	46.6557	8°9	...	51°285	-52°039	-5	m	...
†	34°559	-54°852	-1	...	...	...	42°432	-29°728	-5	m	...	...	51°397	+5°717	-5	m	...
S	+	34°730	-38°706	2°70	47.6254	7°5	...	42°486	-24°209	-4	51°399	+31°548	-4
*	34°832	-12°986	0°80	47.6253	9°9	...	42°753	-2°579	-2	...	...	...	51°419	-38°285	-4	e	...
741	...	...	...	...	...	801	...	...	...	...	...	861	...	...	...	...	...
...	+35°064	-35°026	-2	...	...	...	+42°864	+47°871	-5	m	...	...	+51°452	+1°257	0°65	...	...
...	35°198	-59°037	0°85	...	...	...	42°920	-59°377	-3	...	...	...	51°672	+1°688	-3	e	...
...	35°257	-33°547	-5	m	...	...	* 42°966	+1°800	1°00	46.6558	9°4	...	51°699	+12°318	-4	...	...
S	*	35°392	-10°988	1°80	47.6255	8°6	...	43°148	+54°c25	0°90	45.6599	10°0	...	51°717	-11°677	-5	e	...
...	35°553	+36°046	0°70	...	...	...	43°153	+22°294	-1	...	...	...	51°773	+24°948	-5	m	...
*	+36°018	-38°799	0°95	47.6258	9°8	*	+43°322	-6°928	0°90	46.6559	10°0	*	+51°794	+20°422	1°20	46.6565	9°4	
...	36°044	-41°043	-5	m	...	*	43°738	-29°851	1°70	47.6265	8°9	...	52°042	+11°489	-5	e	...	
*	36°060	-56°874	1°15	47.6259	9°8	*	43°859	-14°654	0°65	47.6264	10°0	...	52°448	+51°270	-5	...	...
...	36°176	-19°439	0°70	47.6256	10°0	*	44°000	-24°780	1°00	47.6266	9°4	...	52°507	-17°052	-3	...	...
*	36°220	-10°025	0°90	47.6257	10°0	*	44°159	+11°966	8°60	46.6560	3°6	*	53°001	+21°707	1°15	46.6567	9°4	
751	...	...	...	...	...	811	...	...	...	...	...	871	...	...	...	...	...
...	+36°367	+6°936	-4	m	...	...	+44°181	-2°075	-2	...	...	...	* +53°113	+40°537	1°20	46.6566	9°4
...	36°486	-24°068	-5	m	...	...	44°211	-31°631	-2	...	...	...	53°227	-4°154	-4	e	...
*	36°594	+26°235	0°90	46.6549	9°9	*	44°276	+3°026	1°50	46.6561	8°8	...	53°263	-31°211	-5	m	...	
...	36°691	+25°418	0°80	...	...	...	44°365	-1°209	-3	...	...	...	* 53°274	+53°549	3°20	45.6609	7°4
...	36°747	+1°693	-4	m	...	...	44°458	-32°694	-4	e	...	...	* 53°355	-11°667	1°40	47.6272	8°9
...	+36°751	+13°751	-5	m	...	...	+44°523	+54°737	-5	e	...	...	+53°399	+5°954	-5	m	...
...	36°791	-11°991	-5	m	...	...	44°547	-18°767	-5	e	...	...	53°497	+20°478	-5	m	...
*	37°088	-43°655	0°90	...	...	*	44°638	-12°108	1°10	47.6267	9°2	...	53°749	+12°768	0°65	...	...
†	37°095	+60°c89	0°75	...	...	...	44°882	+43°150	0°90	46.6562	9°9	...	53°782	-0°684	-4	e	...
...	37°201	+12°720	-2	...	...	...	44°908	-12°378	-5	e	...	...	54°144	-53°238	-4	...	...
761	...	...	...	...	...	821	...	...	...	...	...	881	...	...	...	...	...
...	+37°270	+2°453	-2	...	...	*	+44°952	-22°791	1°90	47.6268	8°6	...	+54°171	-40°507	-1	...	...
...	37°517	-20°524	-5	m	...	...	45°665	-0°765	-5	e	...	...	54°754	+51°920	1°15	46.6568	9°5
...	37°527	+1°461	-5	m	...	...	45°865	-12°559	-5	m	...	...	54°803	-20°910	-1	...	...
...	37°587	-35°828	-3	...	...	...	45°982	-29°281	0°90	47.6269	10°0	*	54°864	-53°672	2°00	47.6273	8°8
...	37°743	+30°077	-2	...	...	...	46°012	-38°760	-3	...	...	...	55°203	+33°084	-5	e	...
...	+37°816	+40°563	-4	m	...	...	+46°175	-37°122	-5	m	...	...	+55°229	-18°520	-5	...	...
...	37°928	+32°923	-4	m	...	...	46°177	-2°576	-3	...	...	...	55°233	-8°121	-5	e	...
...	38°044	-45°501	-5	m	...	...	46°432	-7°308	-3	...	...	...	55°315	-35°176	0°80	...	...
...	38°054	+3°381	-4	m	...	...	46°686	+56°865	-3	...	...	...	55°344	+56°264	-1	...	...
...	38°064	-25°453	-5	m	...	...	46°787	+9°027	-3	...	...	...	55°347	-53°778	0°95	47.6274	10°0
771	*	+38°216	-9°789	1°00	47.6260	9°4	...	+46°855	+33°296	-4	c	+55°584	+29°049	0°75	46.6569	10°0
...	38°429	-38°524	-4	m	...	...	46°919	+43°481	0°90	46.6563	10°0	...	55°797	+11°142	-5	m	...
...	38°594	-29°994	-2	...	...	...	46°953	-13°173	-5	m	...	...	56°083	+37°768	-5	e	...
...	38°606	+47°449	-1	...	...	...	46°982	+38°962	-3	...	...	...	* 56°582	-20°936	0°95	47.6275	9°9
...	38°662	-20°759	-1	...	...	...	47°054	-59°365	-3	...	...	...	56°855	-39°063	-3	...	...
...	+39°011	-1°785	-5	m	...	*	+47°084	-24°668	-3	...	...	...	+56°922	+9°955	-4	...	...
...	39°023	-38°9c8	-3	...	...	...	47°119	+32°709	-5	e	...	...	56°990	+12°799	-5	e	...
...	39°238	+41°234	-5	m	...	...	47°224	+50°481	0°70	...	...	...	57°490	-0°776	-5	m	...
...	39°284	-28°023	-5	m	...	...	47°442	+22°441	-5	e	...	...	57°518	+21°698	-5	m	...
*	39°451	+8°777	0°90	46.6550	9°8	...	47°541	-30°987	0°75	...	...	...	57°899	+33°625	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	...	No.	Mag.	
901-910															911-917			
901	+57·983	+11·131	1·00	46.6570	9·9	911	+58·695	-39·710	0·75	...	...	...	...	...	...	...	...
...	58·025	+34·823	-5	e	...	...	58·712	+31·627	-4	...	...	...	...	...	...	...	...
...	58·088	-12·755	-3	...	...	...	58·771	-42·042	0·75	...	...	...	...	...	...	...	...
...	58·192	+54·732	1·00	45.6615	10·0	...	59·171	+3·849	-5	...	...	...	...	...	...	...	...
*	58·226	-52·501	1·50	47.6276	9·4	...	59·406	-51·109	-3	...	...	...	...	...	...	...	...
*	+58·355	+19·538	1·05	46.6571	9·8	...	+59·433	-6·845	-1	...	...	...	...	...	...	...	...
*	58·392	+3·470	1·35	46.6572	8·8	†	59·602	+8·370	1·90	46.6573	8·7
...	58·515	-19·340	-2
...	58·538	+22·232	-5	e
...	58·548	+23·644	-5	e

1-40						41-80						81-120								
I	-59·924	-55·788	-4	o	...	...	41	-54·382	-39·876	-5	o M	...	81	-46·847	-20·784	-3	o	...	
†	59·879	+22·024	0·70	...	...	...	...	54·187	+29·363	0·70	...	...	...	...	46·837	-7·991	-5	E	...
...	59·865	-27·538	-5	E	...	...	...	53·803	-31·074	0·75	...	...	...	...	46·509	-18·384	-5	...	...
†	59·557	+54·510	-5	E	...	...	...	53·501	+28·836	-5	M	...	...	...	46·500	-53·105	-5	...	...
...	59·502	-2·846	-2	...	...	...	...	53·378	-59·459	-1	...	...	...	...	45·898	+54·912	0·90	45·6615	10·0
*	-59·409	+1·540	1·20	46.6558	9·4	...	...	-53·347	+27·590	-5	E	...	...	...	-45·895	-35·033	0·75	...	...
...	59·069	-24·466	-5	...	...	...	...	52·989	-34·783	-5	E	...	*	...	45·752	-53·514	2·10	47·6273	8·8
...	58·819	+42·926	1·00	46.6562	9·9	*	...	52·784	+16·822	0·90	46.6564	9·9	...	...	45·750	+12·995	-5	E	...
...	58·782	-7·166	0·95	46.6559	10·0	...	...	52·343	+24·210	-5	E	...	...	...	45·731	+10·131	-3	...	...
*	58·551	+11·737	8·80	46.6560	3·6	...	...	52·334	-40·795	-4	E	...	...	...	45·502	+33·825	-2	...	...
II	*	-58·139	+2·812	1·80	46.6561	8·8	...	51	-51·943	+31·542	-4	-45·431	+35·015	-5	E	...
...	58·078	-2·293	-2	...	...	...	...	51·782	-8·978	-3	...	...	...	...	45·256	-53·604	0·80	47·6274	10·0
*	58·003	-14·893	0·90	47.6264	10·0	...	...	51·522	+51·280	-4	...	...	*	...	45·071	-20·746	1·00	47·6275	9·9
...	57·927	-1·418	-4	...	...	...	...	51·446	-50·094	-4	...	...	...	...	44·789	+53·254	-5	M	...
*	57·636	-30·080	2·00	47.6265	8·9	*	...	51·189	+20·429	1·10	46.6565	9·4	*	...	44·716	+11·340	1·00	46.6570	9·9	
*	-57·546	-24·997	1·05	47.6266	9·4	...	...	-51·081	-0·106	-4	E	...	...	...	-44·644	+31·868	-4	...	...
...	57·515	-59·614	-3	...	...	...	...	51·025	+12·336	-4	...	...	*	...	44·620	+19·756	0·95	46.6571	9·8
...	57·450	+56·696	-1	...	...	...	...	50·912	+1·267	0·65	...	...	...	...	44·555	+23·865	-5	E	...
*	57·288	-12·300	1·30	47.6267	9·2	*	...	50·739	+53·602	3·30	45.6609	7·4	...	...	44·516	+22·463	-5	E	...
...	57·186	-18·967	-5	E	...	...	...	50·713	+1·703	-4	E	...	...	...	44·232	-38·848	-4	...	...
21	*	-57·116	-31·843	-2	61	-50·657	+11·509	-4	E	...	*	...	-44·052	+3·705	1·50	46.6572	8·8
...	57·005	-12·570	-5	E	...	*	...	50·521	+40·573	1·25	46.6566	9·4	...	...	43·840	-12·512	-2	...	...
...	56·834	-32·892	-5	E	...	...	...	50·237	-11·655	-5	E	...	...	...	43·839	+40·872	-3	...	...
...	56·786	+43·314	1·00	46.6563	10·0	...	...	50·200	-36·334	-3	...	...	...	...	43·521	+46·083	-4	M	...
...	56·709	+50·326	0·75	...	...	*	...	50·117	-36·372	1·05	47.6271	9·4	...	...	43·496	+37·628	-1	...	...
*	-56·628	-22·967	2·10	47.6268	8·6	...	...	-50·111	-40·940	0·65	...	...	...	...	-43·291	+4·096	-5	E	...
...	56·623	-0·932	-5	E	...	*	...	50·021	+21·747	1·20	46.6567	9·4	...	...	43·191	-19·091	-3	...	...
...	56·591	+38·820	-3	...	...	...	...	49·686	-38·251	-5	E	...	...	...	43·065	+51·746	-4	...	...
...	56·510	+33·147	-5	E	...	...	...	49·285	-16·999	-3	...	...	...	...	42·988	+56·017	-1	...	...
...	56·235	+32·558	-5	E	...	*	...	49·239	+52·000	1·20	46.6568	9·5	*	...	42·981	+8·651	1·80	46.6573	8·7	
31	*	-56·065	-2·734	-2	71	-49·002	+12·848	0·70	-42·734	+24·122	-3
...	55·823	+8·892	-3	...	...	...	...	48·984	-4·091	-4	E	...	...	...	42·689	-6·565	-1	...	...
...	55·663	-7·449	-4	...	...	...	...	48·784	+56·373	-3	...	...	*	...	42·431	-52·232	1·20	47·6276	9·4
...	55·615	+22·320	-5	E	...	*	...	48·610	-11·585	1·30	47.6272	8·9	...	...	42·386	-39·440	0·80	...	...
...	55·420	+46·207	-4	...	...	...	...	48·545	-0·596	-4	E	...	*	...	42·277	+34·422	1·10	46.6574	9·4
*	-55·417	-29·435	0·95	47.6269	10·0	...	...	-48·345	+36·919	-5	M	...	...	...	-42·225	-41·778	-1	...	...
...	55·072	-38·899	-4	...	...	...	...	48·191	+33·210	-4	E	...	...	...	42·049	+7·230	-5	M	...
...	54·560	+3·030	-5	E	...	...	...	47·689	+29·171	0·90	46.6569	10·0	...	...	42·004	-12·682	-2	...	...
...	54·539	-0·966	-4	E	...	...	...	47·440	+37·909	-5	E	...	*	...	41·683	+44·517	-5	M	...
...	54·469	-24·786	-1	...	...	...	...	46·861	-40·370	-3	...	...	...	...	41·630	+51·493	-4	M	...

ES measured from 1, 135, 285, 432, 564, 706.
MC .., .., 68, 220, 369, 492, 638, 781.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.		x.	y.		-3.	No.		x.	y.	-3.	No.			
121-180																			
121	-41°41'2	-27°39'7	-4	° A	...	181	-34°44'8	+16°28'9	-2	°	...	...	241	-26°99'0	-41°29'8	-3	°	...
...	41°38'2	+41°05'5	-1	...	...	...	34°36'9	+43°79'8	0°85	...	...	...	...	26°65'3	+47°05'0	-2	...	...
...	41°33'4	+19°89'3	-3	...	...	...	34°26'7	-53°73'0	-5	M	...	...	...	26°60'1	-1°75'1	-2	...	...
...	41°30'0	-50°80'2	-3	...	...	...	34°16'0	-8°43'2	-5	M	...	...	...	26°55'3	-39°48'9	-5	M	...
...	41°01'3	-21°36'4	0°65	...	...	...	34°03'9	-12°63'0	-5	M	...	...	...	26°52'5	-3°23'1	-4	...	...
...	-40°99'8	-11°00'6	0°65	...	...	...	-33°94'0	+30°45'6	0°75	46.6579	10°0	...	...	-26°51'8	-6°19'1	-5	M	...
...	40°99'2	-38°75'5	-1	...	...	...	33°82'9	-16°67'5	-4	...	...	...	...	26°51'0	-57°25'3	-4	...	...
*	40°94'0	-12°73'0	0°95	47.6277	10°0	S*	33°79'9	-42°01'3	1°40	47.6285	9°1	...	...	26°45'6	-33°00'3	-5	M	...
...	40°93'4	+26°91'8	-1	...	...	...	33°72'7	+8°74'8	-2	...	...	...	...	26°43'9	-26°65'4	-5	M	...
...	40°92'4	-32°74'6	-5	M	...	...	33°61'8	-6°26'8	-1	...	...	...	...	26°13'1	-27°98'7	-4	...	...
131	-40°52'2	-31°52'6	-4	...	...	191	-33°56'8	-35°02'9	-5	M	...	...	251	-25°95'0	-8°65'4	-4	A	...
...	40°44'2	+4°76'2	-2	...	...	...	33°46'8	-3°79'3	-5	M	...	...	...	25°60'3	+26°92'0	-5	M	...
*	40°39'9	-42°04'4	1°00	47.6278	9°4	...	33°33'4	-15°74'1	-4	...	...	...	...	25°33'6	+17°10'0	0°65	...	...
*	40°15'7	-48°22'1	1°30	47.6279	9°2	...	33°00'9	+27°04'5	-5	M	...	...	...	25°22'9	-45°93'1	-1	...	...
...	39°91'2	-18°14'1	-3	...	...	...	32°95'0	-57°47'2	-5	...	...	...	...	24°88'6	-23°02'9	-3	...	...
...	-39°87'6	+49°33'2	-3	...	...	...	32°86'7	+17°85'7	-5	M	...	...	...	-24°85'4	+39°51'5	-4	M	...
...	39°66'1	+31°40'0	-5	M	...	...	32°85'2	-38°44'5	-4	...	...	...	...	24°81'9	+39°19'6	-5	M	...
...	39°47'6	-8°77'2	-5	M	...	...	32°79'3	-49°25'0	-3	...	...	...	*	24°70'5	-19°24'8	2°00	47.6296	8°6
...	39°44'5	-26°66'9	-5	M	...	...	32°25'4	-22°79'7	-4	...	...	...	...	24°58'6	-52°70'6	0°90	47.6295	10°0
...	39°30'5	+18°59'1	-5	M	...	...	32°14'8	-4°51'6	-5	M	...	...	*	24°21'2	-18°29'5	0°90	47.6297	9°4
141	* -39°30'1	-34°49'7	1°15	47.6281	9°4	201	-32°12'3	+44°56'0	-5	M	261	S*	-24°17'0	-3°63'1	1°30	46.6586	9°0
*	39°22'6	-54°42'3	1°10	47.6280	9°6	...	32°11'3	+25°51'3	-5	M	...	...	...	23°92'7	+11°29'7	-5	M	...
...	38°91'5	+38°86'2	-5	M	...	...	31°91'3	+53°50'1	1°60	45.6628	9°2	...	...	23°80'5	+32°90'1	-5	M	...
*	38°79'0	+7°63'8	1°20	46.6575	9°2	*	31°87'2	+16°78'2	0°90	46.6580	10°0	...	...	23°76'5	-26°90'3	-1	...	...
*	38°62'1	-25°14'0	1°00	47.6282	9°4	...	31°83'5	-12°52'9	-4	A	...	...	...	23°46'3	+7°96'5	-3	A	...
...	-38°15'3	-50°32'3	-4	...	...	...	31°80'7	-4°71'0	-5	M	...	...	...	-23°19'8	+29°51'7	-3	...	...
...	38°14'2	-30°55'0	-2	...	...	*	31°77'7	-58°82'7	1°25	47.6286	9°4	...	...	22°99'2	+30°61'6	-5	M	...
...	37°71'7	+33°49'5	-3	...	...	...	31°70'1	+18°30'2	-5	M	...	...	...	22°88'9	+31°69'0	-2	...	...
...	37°68'0	-14°81'9	-3	...	...	...	31°24'2	+21°55'4	-5	M	...	...	...	22°88'5	-36°51'0	-3	...	...
...	37°64'4	+38°70'4	-4	A	...	...	31°21'3	-16°15'6	0°65	...	...	...	...	22°44'8	+2°93'8	-4	M	...
151	-37°58'3	+8°62'1	-5	M	211	-31°18'5	-4°52'7	-5	M	271	-22°39'7	+40°50'1	0°85
...	37°46'2	+9°80'3	0°70	...	...	...	31°17'0	-41°05'1	-5	...	...	...	...	22°27'1	-23°29'8	-5	M	...
...	37°29'5	-32°17'7	-5	M	...	...	31°08'8	-46°19'4	-1	...	...	...	*	22°16'1	+37°17'3	0°95	46.6587	9°7
...	37°12'1	-29°21'2	-4	...	...	...	30°99'6	-10°27'3	-5	M	...	...	...	21°56'1	-15°15'7	-5	M	...
...	37°06'6	+55°17'0	-3	...	...	*	30°86'4	+18°34'2	0°90	46.6581	10°0	...	...	21°18'6	+45°37'7	-5	M	...
...	-36°97'0	-36°64'7	-3	...	...	...	30°57'8	-22°25'5	-1	...	...	...	*	-20°74'1	-15°27'0	0°70	47.6298	10°0
...	36°96'4	-19°16'4	-5	M	...	...	30°53'7	+29°25'7	-5	M	...	...	*	20°73'8	+57°19'6	1°00	45.6639	9°8
...	36°88'4	-14°68'4	-4	...	...	...	30°33'2	+18°88'4	0°80	...	...	...	...	20°63'7	+44°13'4	-3	...	...
S*	36°82'2	+28°58'1	2°85	46.6576	7°8	*	30°27'1	-55°98'3	1°25	47.6288	9°6	...	...	20°59'5	-50°65'0	0°85	...	...
...	36°81'8	+42°99'1	-5	M	...	...	29°94'3	+2°81'8	-5	M	...	...	...	20°52'1	+48°01'0	-3	...	...
161	-36°55'7	+33°32'6	-5	M	221	-29°83'3	+13°31'8	-3	A	281	-20°41'9	-56°63'3	-4
...	36°19'9	-34°01'4	-4	...	...	...	29°73'5	+43°39'6	-1	...	...	...	...	20°40'3	-6°48'8	-5	M	...
*	36°06'8	-27°93'4	0°80	47.6283	10°0	*	29°57'7	-50°37'9	1°00	47.6289	9°6	...	...	20°40'1	-24°16'4	-4	...	...
...	35°99'2	+37°57'6	-2	...	...	...	29°42'8	+20°83'4	-1	...	...	...	...	20°32'5	-6°89'3	-5	M	...
...	35°89'1	+49°07'6	-4	A	...	S*	29°42'7	+5°18'5	2°00	46.6582	8°4	...	...	19°93'4	+43°56'1	-4	M	...
...	-35°77'9	+0°78'6	-4	M	...	*	29°19'3	-15°95'2	1°00	47.6291	9°5	...	...	-19°87'2	+22°62'4	-5	M	...
...	35°77'5	+1°00'6	-5	M	...	...	29°10'7	-16°69'0	-4	A	...	...	...	19°83'3	+42°03'3	-4	...	...
...	35°76'2	+6°23'0	-5	M	...	...	29°08'4	-14°15'8	-1	...	...	...	...	19°75'4	+0°35'4	-4	M	...
*	35°60'6	+15°22'6	0°80	46.6578	10°0	...	28°79'8	+24°09'0	-5	M	...	...	...	19°64'5	+25°88'8	0°80	46.6588	10°0
*	35°56'7	+24°78'7	1°00	46.6577	9°6	*	28°68'4	-32°89'2	0°90	47.6292	10°0	...	...	19°61'5	-6°53'2	-1	...	...
171	-35°49'9	+16°70'4	-5	M	...	*	28°60'1	+39°23'9	0°95	46.6584	9°7	291	-19°58'5	+34°16'5	-1
...	35°45'6	-34°32'4	-5	M	...	*	28°57'2	-58°65'5	3°00	47.6293	7°7	...	...	19°57'2	-16°27'2	0°70	47.6299	10°0
...	35°44'3	+34°50'4	-4	...	...	...	28°45'1	+21°47'0	-4	M	...	...	...	19°41'0	+18°05'6	-5	M	...
...	35°29'2	-48°19'6	-5	M	...	*	28°44'0	+2°43'6	1°00	46.6583	9°5	...	...	19°33'7	-20°08'7	-5	M	...
...	35°25'2	-18°65'4	-5	...	...	...	28°20'8	+31°79'2	-2	...	...	...	...	19°24'9	-43°80'7	-5	M	...
...	-34°94'1	-13°43'8	-4	...	...	...	-27°91'1	-37°80'1	-5	...	...	...	...	-19°16'4	-21°95'7	-5	M	...
*	34°89'9	-38°12'9	1°05	47.6284	9°4	...	27°74'3	+42°38'5	-4	M	...	...	...	19°08'4	-8°00'8	-2	...	...
...	34°68'5	+8°48'2	-3	...	...	*	27°29'8	+42°86'2	-5	M	...	...	...	19°02'3	+34°75'8	-4	...	...
...	34°61'7	-36°81'3	-4	...	...	*	27°13'1	+5°14'0	1°00	46.6585	9°4	...	...	18°74'3	+21°89'2	-5	M	...
...	34°59'6	-40°41'6	-3	...	...	...	26°99'0	-19°83'3	0°80	47.6294	10°0	...	...	18°54'7	+48°91'7	-4	...	...

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.
301-360																				
301	-18·422	+43·557	-5	° M	...	361	-11·384	+10·730	-3	°	...	421	-2·306	+48·798	-2	°
...	18·183	+18·180	-3	*	11·101	+43·019	1·05	46.6591	9·6	...	1·854	-15·741	-2
...	18·042	+11·012	-3	A	10·832	+56·205	0·80	45.6645	10·0	...	1·603	-34·918	-5	M m
...	17·788	-36·190	-3	10·736	-46·018	0·65	1·484	-59·820	-5
...	17·681	-28·069	0·65	10·559	+46·445	-3	1·305	+9·365	-1
...	-17·627	+58·534	-4	-10·475	-53·524	-5	-1·018	+15·889	-5	M m
...	17·601	-51·562	-4	†	10·110	-33·728	-5	M	0·851	+49·868	-1
...	17·465	-36·717	-4	†	10·083	-20·629	0·65	47.6306	10·0	...	0·783	-17·842	-3
...	17·360	+2·271	-4	M	9·776	+59·055	-3	0·293	-34·582	-2
...	17·136	-50·928	-5	M	...	*	9·746	+50·376	1·25	46.6593	9·0	...	0·287	+51·430	0·75
311	-17·027	-40·066	-5	M	9·698	-7·811	-5	M	431	0·064	+32·633	-5	M m
...	16·946	-4·984	-3	9·638	+46·251	-2	+	0·006	+6·097	-5	M m
...	16·940	-13·315	-4	...	...	...	9·571	-22·775	-3	...	...	...	0·040	+39·158	-5	M m	...	...	...
...	16·812	-8·498	-5	M	9·512	+13·453	-1	46.6592	10·0	...	0·086	+42·213	0·65
...	16·562	-21·692	-5	M	9·375	+40·606	-5	M	0·215	-58·464	-4
...	-16·429	-18·414	-5	M	...	*	-9·108	+53·559	1·30	45.6648	9·2	*	+	0·297	-2·864	1·05	46.6597	9·8
...	16·335	-24·923	0·75	S *	9·089	-26·551	1·60	47.6307	8·9	...	0·477	-51·269	-4
...	16·326	+5·637	-5	M	8·695	+16·096	-5	M	•	0·577	-31·455	-1
...	16·094	-55·836	0·75	8·407	-26·644	-4	m	0·641	-28·025	c·70
...	16·041	+48·978	-4	M	...	...	8·249	+8·868	-3	...	...	...	0·715	+33·090	-5	M m	...	...	...
321	-15·979	-48·458	-4	8·038	+19·422	-3	441	*	+	0·791	+25·678	1·05	46.6598	9·4
...	15·947	+32·008	-2	7·955	-11·202	-4	A m	+	0·878	-13·796	-3
†	15·920	+29·578	-5	M	7·568	+41·744	-3	1·089	-47·249	-2
...	15·914	+18·627	-5	M	...	...	7·537	+24·201	-4	m	...	...	1·144	+38·653	-5	M m	...	...	...
...	15·765	+11·791	-3	A	...	...	7·515	+21·156	-4	m	...	...	1·344	+58·762	-3	...	...	...	...
...	-15·693	+27·959	-5	M	...	...	7·383	+54·804	-2	...	...	...	+	1·757	+46·513	0·75	...	...	...
...	15·629	-17·116	-5	M	...	...	7·377	+46·692	-3	...	...	...	1·851	+16·775	-5	M m	...	...	...
...	15·592	-47·421	-5	M	...	...	7·311	-14·403	-3	...	...	...	1·896	+42·513	-2	...	...	...	...
...	15·392	-33·437	-5	M	...	...	7·255	+33·426	-3	m	...	...	1·905	+22·176	-4	M	...	...	...
...	15·358	+5·559	-5	M	...	*	7·236	+20·859	1·40	46.6594	9·1	...	2·164	+33·392	-4
331	-15·290	-27·050	-4	7·119	+44·281	-1	451	*	+	2·338	-32·728	0·90	47.6311	9·7
...	15·142	-35·068	-1	...	...	...	7·101	+4·534	-5	M m	...	...	2·657	+55·298	-5	M m	...	...	...
†	15·078	-12·477	-4	...	...	*	7·031	-52·770	1·00	47.6308	9·5	...	2·684	+31·731	0·70	46.6599	10·0	...	...
...	14·691	-48·590	0·70	...	...	...	6·847	-51·382	-5	...	...	...	2·936	+19·833	-5	M m	...	...	...
...	14·662	-12·149	-4	...	...	...	6·786	-24·888	-3	...	...	...	4·307	-26·237	0·65	47.6312	10·0	...	...
...	-14·643	+33·508	-3	*	-6·500	-31·000	1·00	47.6309	9·5	...	+	4·565	+20·983	-3
*	14·622	+10·372	0·95	46.6589	9·7	...	6·492	-34·651	-5	M	...	...	4·828	-23·728	0·90	47.6313	9·9	...	...
...	14·503	-42·090	-5	M	...	...	6·316	+21·530	-3	...	...	...	4·848	+57·014	-2	...	...	...	...
...	14·176	+27·041	-5	M	...	...	5·837	-47·157	-5	M	...	...	4·885	-54·217	-2	...	...	...	...
*	14·155	-43·770	1·10	47.6300	9·4	*	5·299	+31·923	1·00	46.6595	9·5	*	5·202	+2·613	0·85	46.6600	10·0	...	...
341	-14·136	-39·471	1·15	47.6301	9·4	...	5·225	-4·099	-3	...	...	...	461	+	5·323	+40·387	-5	M m	...
*	13·684	-40·006	1·00	47.6302	9·7	...	5·195	+0·897	-2	...	...	...	5·394	+2·148	-5	M m	...	...	...
...	13·683	+30·550	-4	...	...	†	5·132	-33·334	-3	...	...	...	5·586	+28·029	-2	...	...	...	...
...	13·626	-59·812	0·90	47.6303	10·0	...	5·042	-49·782	-4	...	...	...	5·675	-19·115	-1	...	...	...	...
...	13·451	+15·539	-5	...	...	...	4·971	+34·934	-4	...	...	...	5·760	+55·471	-5	M	...	...	...
...	-13·402	+15·660	-3	...	...	...	4·849	-20·391	-3	m	...	...	6·153	+13·739	-2	...	...	...	...
...	13·386	+26·671	-5	M	...	...	4·168	-17·871	-4	m	...	...	6·510	-22·325	-4	...	...	...	...
...	13·372	+49·295	-3	A	...	...	4·090	-9·280	-5	M m	...	*	6·630	+49·937	1·25	46.6601	9·2	...	...
S *	13·304	+15·567	1·35	46.6590	8·8	...	4·038	-17·530	-5	M m	...	...	6·774	+13·639	-2	...	...	...	...
...	13·156	+15·516	0·65	...	...	...	3·846	-36·963	-2	...	...	...	7·031	+23·829	-5	M m	...	...	...
351	-12·984	-38·159	-4	...	...	...	3·841	-43·951	-3	...	...	*	471	+	7·531	+7·709	1·90	46.6602	8·9
...	12·972	+40·796	-5	M	...	...	3·693	+22·137	-5	M m	...	...	7·538	+41·308	-2	...	...	...	...
...	12·775	+53·330	-5	M	...	...	3·658	+18·357	-5	M m	...	...	7·546	+23·809	-3	...	...	...	...
...	12·769	-14·166	-5	M	...	...	3·611	+54·914	-4	M	...	...	7·647	-52·748	-5	M m	...	...	...
...	12·649	-44·685	-3	...	...	...	3·451	+34·657	-2	...	...	...	7·851	+21·689	-5	M m	...	...	...
...	-12·485	-55·651	-5	M	...	*	-2·756	+38·908	1·00	46.6596	9·5	...	+	7·910	+1·170	-5	M m
...	12·057	-19·855	-5	...	...	...	2·631	-49·883	-4	...	...	...	8·008	+44·328	-5	m	...	...	...
*	12·054	-39·084	1·10	47.6304	9·4	...	2·618	-31·770	-5	M m	...	...	8·027	-34·944	-5	M	...	...	...
...	11·933	-42·270	-5	M	...	...	2·616	+33·444	-2	...	...	...	8·089	-47·972	-1	...	...	...	...
...	11·423	+12·096	-5	M	...	...	2·328	-52·960	-4	...	...	...	8·139	-18·520	-4	M	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
481-540																			
481	*	+ 8°291	-24°977	1°15	47.6316	9°2	541	+17°136	-32°998	0°80	47.6323	10°0	601	+26°066	+56°030	-1	°	...	
...	...	8°560	+42°443	-5	m	...	...	17°142	-32°275	-5	m	...	...	26°097	-5°174	0°65	...	...
*	8°573	-23°004	0°95	47.6317	9°8	...	...	17°196	-19°754	-3	...	...	...	26°362	+36°774	0°80	46.6623	10°0
...	8°691	+13°308	-3	...	...	...	...	17°227	-2°101	-5	m	...	...	26°432	+18°411	-4	...	...
...	8°876	+21°136	-5	m	...	...	...	17°323	-24°697	0°90	47.6324	9°8	...	26°792	-54°564	0°95	47.6333	10°0
...	+ 9°077	+ 5°530	-5	m	...	...	...	+17°325	+ 1°191	-3	...	...	...	+26°798	-5°517	-2	...	...
...	9°337	-30°614	-4	...	...	...	...	17°481	-56°733	-5	...	...	...	27°048	-40°731	-5	m	...
...	9°563	-44°886	-4	...	...	...	...	17°543	+54°245	-3	...	...	...	27°103	-41°324	-5	m	...
...	9°697	+27°750	-5	m	...	...	...	17°807	+24°492	-5	m	...	...	27°126	+21°262	-3	...	...
†	9°851	+24°048	-4	...	...	...	...	17°881	+55°923	-5	m	...	*	27°230	-43°998	1°10	47.6334	9°4
491	+	9°884	+37°278	0°85	46.6603	10°0	551	+18°076	-23°044	0°65	47.6325	10°0	611	+27°260	-16°846	-3	...	...
...	10°161	+50°584	-5	...	...	...	...	18°104	+ 8°017	-5	m	...	...	27°378	+ 2°320	0°70	...	...
...	10°417	-24°271	-4	...	...	...	...	18°265	+33°466	0°70	46.6610	10°0	...	27°457	+39°044	-5	m	...
...	10°717	+48°791	0°80	...	...	...	*	18°474	+40°040	2°80	46.6611	8°0	...	27°550	-40°734	-5	m	...
...	10°772	-42°644	0°80	...	...	...	...	18°482	-49°331	-4	...	...	...	27°610	-28°251	-5	...	...
...	+10°981	-27°487	-3	...	...	*	...	+18°514	-55°585	1°20	47.6326	9°4	...	+27°697	+ 3°912	-3	...	...
...	11°223	+26°713	0°75	46.6604	10°0	...	...	18°745	+33°375	-3	...	...	...	27°711	-21°869	-4	...	...
...	11°242	-49°788	0°90	...	...	*	...	18°794	-6°317	1°00	46.6612	10°0	...	27°852	-6°368	-5	m	...
†	11°549	+54°495	0°95	45.6663	10°0	*	...	18°971	-42°486	0°90	...	...	*	28°076	-30°476	1°00	47.6335	9°5
...	11°717	+40°017	-4	a	...	...	...	19°097	-4°507	-5	m	...	...	28°158	-39°426	-1	...	...
501	...	+11°873	+42°825	-4	a	...	...	+19°281	-11°550	-5	...	...	...	+28°248	+40°826	-3	...	...
...	12°303	-26°445	-4	...	...	...	...	19°425	+27°547	0°80	...	...	...	28°254	-14°999	-4	...	...
...	12°534	+20°309	0°75	46.6605	10°0	...	...	19°475	-56°642	-4	...	...	*	28°381	+47°277	1°10	46.6624	9°2
...	12°588	-15°601	-5	...	...	...	...	20°212	+13°178	-5	m	...	...	28°387	-59°549	-5	m	...
*	12°611	-38°921	0°90	...	...	...	...	20°327	+40°266	-5	m	...	*	28°570	-18°482	0°95	47.6336	9°7
*	+12°757	-46°904	0°95	47.6319	9°8	...	...	+20°708	+ 5°971	-5	m	...	*	+28°644	+52°193	1°25	46.6625	9°4
...	12°827	+28°953	-3	...	...	...	...	20°867	+29°868	-4	...	...	*	28°662	+12°731	1°15	46.6626	9°2
...	12°864	+11°236	-1	...	...	...	...	21°080	+ 8°183	-4	...	...	...	28°815	-41°440	-3	...	...
...	12°898	+19°759	-4	a	...	...	...	21°358	+45°888	c.85	46.6613	10°0	...	29°006	-53°964	-5	m	...
...	12°908	+52°124	0°90	46.6606	10°0	*	...	21°402	+43°202	0°95	46.6614	9°9	...	29°010	+26°045	-5	m	...	
511	...	+12°968	+36°042	-4	*	571	+21°513	-37°866	1°05	47.6328	9°6	631	+29°017	-56°009	0°85
...	12°992	+23°290	0°90	46.6607	10°0	*	...	21°646	-1°503	0°85	46.6615	10°0	...	29°124	-10°370	-5	...	...
...	13°089	+56°491	-5	m	...	...	...	21°678	-49°835	0°80	...	...	...	29°419	+34°964	-2	...	...
...	13°240	-31°281	0°70	...	...	...	...	21°740	+33°873	-5	m	...	*	29°439	+48°942	0°90	46.6627	10°0
...	13°354	+24°685	-4	...	...	...	...	21°863	- 0°531	-3	...	...	...	29°473	-19°650	-5	m	...
...	+13°543	+51°790	-2	...	...	*	...	+22°197	+19°704	1°00	46.6616	9°6	*	+29°486	+36°101	0°85	46.6628	10°0
...	13°572	-37°950	-1	...	...	...	...	22°513	-55°952	-1	...	...	*	29°844	+35°574	-2	46.6629	10°0
...	13°628	+43°768	0°85	...	...	*	...	22°701	-14°902	0°75	47.6329	10°0	...	30°011	+39°058	-4	...	...
...	13°661	-19°316	-3	...	...	...	...	23°511	+45°145	-3	...	...	...	30°288	+46°647	0°80	46.6630	10°0
...	13°859	-38°579	-5	m	...	...	*	23°615	+10°674	0°95	46.6618	10°0	...	30°341	+17°422	0°65	...	...
521	...	+14°001	+48°228	-4	581	S*	+23°672	-43°868	1°23	47.6330	9°1	641	+30°360	+32°507	-5	m	...
...	14°086	+27°393	0°90	46.6608	10°0	...	...	23°756	+ 4°767	-5	m	...	...	30°452	+17°278	-5	m	...
*	14°272	-43°996	1°20	47.6320	9°4	*	...	23°781	+48°260	1°05	46.6617	9°7	...	30°601	-18°083	-5	m	...	
*	14°454	+49°704	-4	...	...	...	...	23°869	-20°370	-4	...	...	...	30°609	+19°341	-3	...	...
*	14°464	-24°102	0°90	47.6321	10°0	*	...	24°024	-57°459	1°00	47.6331	10°0	...	30°721	+ 9°152	-5	m	...	
...	+14°699	+31°832	-3	...	...	...	...	+24°262	+40°402	-1	...	...	*	+30°920	+27°610	1°00	46.6631	9°4
...	14°784	-14°558	-5	...	...	...	...	24°396	+46°084	-5	m	...	...	30°960	+47°063	-5	m	...
...	14°871	-42°765	-3	...	...	*	...	24°650	-15°893	0°95	47.6332	9°5	...	31°020	-42°813	-5	m	...
*	15°254	+21°750	1°00	46.6609	9°5	*	...	24°967	+13°504	1°00	46.6619	9°6	...	31°050	-47°005	-5	m	...	
...	15°439	+51°380	-3	...	...	...	...	24°969	+33°857	-2	...	...	...	31°165	+56°547	0°90	45.6674	10°0
531	...	+15°485	-35°727	-5	m	...	591	+25°017	-53°038	-4	a	...	...	+31°200	+12°237	-4	...	...
...	15°982	+23°854	-5	m	...	...	...	25°190	-10°647	c.65	...	...	...	31°531	-6°353	-4	...	...
...	16°080	-31°904	-4	...	...	...	...	25°200	+ 5°986	-5	m	...	...	31°577	+22°86	0°80	...	...
...	16°341	-19°609	-3	...	...	...	...	25°454	-39°520	-1	...	...	*	31°583	-35°322	-1	...	...
...	16°584	-6°635	0°65	...	...	...	...	25°553	+14°060	0°75	46.6620	10°0	...	31°585	+ 7°626	-5	m	...
...	+16°723	-9°060	-5	m	...	...	...	+25°712	+37°649	-4	...	...	...	+31°624	+36°849	-5	...	...
...	16°841	-20°514	-4	...	...	...	...	25°730	+34°666	-2	...	...	...	31°766	-21°179	-5	m	...
...	17°005	+33°735	-3	...	...	...	S*	25°779	+ 5°332	2°10	46.6622	8°5	...	31°996	+ 2°499	-3	b	...
*	17°114	-44°813	0°90	...	...	...	...	25°791	+36°539	0°80	46.6621	10°0	...	32°000	-37°860	-5	m	...
...	17°130	+16°128	-1	...	...	...	...	25°982	+12°178	-5	m	...	...	32°489	+20°359	c.85	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
661-720																	
661	+32°58'	-28°396	-1	o	...	721	+42°000	-41°455	-3	o	...	781	+49°952	-55°278	1°20	47°6353	9°5
...	32°814	-44°971	-5	m	...	...	42°034	+58°642	-5	m	...	...	50°063	-13°618	-5	e	...
...	33°124	-32°418	-4	a	...	...	42°162	+7°203	-5	m	...	...	50°439	-1°467	-5	e	...
...	33°211	+31°981	-5	m	...	...	42°383	-13°069	-5	m	...	...	50°405	-50°017	-4	...	...
*	33°218	-33°041	1°10	47.6338	9°5	...	42°608	-12°751	-5	e	...	...	50°613	-22°960	-1	...	...
...	+33°336	+12°019	-1	...	...	*	+42°671	-59°110	2°00	47.6343	8°8	...	+50°695	-57°170	-3	...	...
...	33°357	+39°065	-3	...	...	...	42°729	-54°773	0°75	...	...	...	50°757	-49°763	0°90	47.6354	10°0
...	33°562	+43°258	-4	...	...	...	42°964	+34°318	-5	m	...	...	50°854	-1°366	-5	e	...
...	33°703	+35°252	-5	m	...	...	43°112	-9°673	-5	e	...	...	50°884	+8°568	-4	...	...
...	33°758	+43°418	-5	m	...	...	43°175	-0°649	-4	...	...	...	50°957	-44°340	-4	...	...
671	+33°789	-27°143	-2	...	...	731	+43°224	+27°690	-5	m	...	791	+51°075	-38°451	1°10	47.6355	9°5
...	33°854	-27°956	0°65	...	...	...	43°224	-17°112	-5	...	...	...	51°222	+37°399	-5	e	...
...	33°885	+14°865	-4	...	...	...	43°537	+31°810	-5	m	...	...	51°432	-33°401	0°95	47.6356	9°8
...	33°968	+26°489	0°80	...	...	...	43°591	-22°066	0°80	47.6344	10°0	...	51°461	+11°933	-4	e	...
...	34°207	-39°194	-4	a	...	...	43°799	+21°835	-4	...	...	...	51°659	-59°299	-3	...	...
...	+34°244	-16°135	-3	...	...	...	+44°191	+40°304	-5	m	...	...	+51°759	-48°176	-4	...	...
...	34°546	+12°896	-5	m	...	...	44°223	+4°292	-5	e	...	...	51°985	+30°937	-5	...	...
*	34°567	-50°112	1°10	47.6339	9°7	...	44°294	-29°540	-5	e	...	...	52°137	-36°919	0°90	47.6358	10°0
...	34°658	-17°468	-5	m	...	...	44°401	-0°214	-5	m	...	...	52°143	-28°846	1°00	47.6359	9°6
...	34°861	-56°379	-1	...	...	...	44°420	+14°746	-5	m	...	...	52°155	-34°422	1°20	47.6360	9°2
681	+34°940	-44°173	0°95	47.6340	10°0	741	+44°509	-11°742	-3	...	...	801	+52°303	+51°071	-4	...	...
...	35°250	+49°952	-4	...	...	*	44°511	+9°820	0°75	46.6634	10°0	...	52°342	-11°011	1°10	47.6357	9°4
...	35°264	+56°332	-1	...	...	...	44°603	+5°610	-2	...	...	...	52°358	-27°063	-4	e	...
*	35°405	-15°616	1°00	47.6341	9°4	†	44°720	-39°024	-3	...	...	...	52°430	-39°817	-5	...	...
...	35°436	-49°626	-1	...	...	...	44°979	+38°639	-5	e	...	...	52°481	+37°211	0°90	46.6636	9°8
...	+35°619	+12°360	-4	...	...	...	+45°161	+47°674	0°65	...	...	...	+52°540	-49°878	1°00	47.6361	9°9
*	35°646	-51°062	0°95	47.6342	10°0	...	45°253	-2°849	-5	e	...	...	52°661	+2°312	0°65	...	...
...	35°659	+10°223	-5	m	...	...	45°319	+21°098	-5	e	...	...	52°757	-34°526	-3	...	...
...	35°705	+20°264	-3	...	...	...	45°319	-20°108	-4	...	...	...	52°843	-45°823	1°20	47.6362	9°4
...	36°006	-8°268	-3	...	...	...	45°574	-16°551	-5	...	...	...	53°014	-41°682	1°20	47.6363	9°4
691	+36°278	+13°369	-1	...	...	751	+45°732	+8°942	-4	...	...	811	+53°317	-34°235	-5	...	...
...	36°334	+5°744	-4	b	...	*	45°796	-54°016	1°20	47.6345	9°6	...	53°602	+3°920	0°65	...	...
...	36°535	+9°905	-5	...	...	...	45°820	-15°454	-4	...	...	...	53°790	+34°068	-5	e	...
*	36°748	-1°079	0°90	46.6632	9°8	*	46°092	-41°488	1°05	47.6346	9°7	...	53°874	+21°680	-2	...	...
...	36°912	-23°910	-5	m	...	...	46°343	+26°885	-5	e	...	...	54°089	-38°317	-5	e	...
...	+37°159	-53°972	-5	m	...	...	+46°445	-55°985	0°65	...	...	...	+54°306	-44°767	-2	...	...
...	37°389	+51°267	-2	...	...	...	46°564	+26°099	-4	...	...	...	54°323	-45°038	-5	e	...
...	38°017	-40°618	-4	...	...	...	46°571	+24°004	-5	m	...	...	54°350	+18°853	0°75	...	...
...	38°463	+11°641	-4	a	...	*	46°591	-40°909	1°00	47.6347	10°0	...	54°371	+2°960	-2	...	...
...	38°635	+1°035	-5	m	...	...	46°817	-24°432	-5	e	...	...	54°495	+57°152	-3	...	...
701	+38°828	-32°845	-3	a	...	761	+47°624	-24°875	-5	m	...	821	+54°724	+46°348	-4	...	...
...	39°050	-47°245	-5	m	...	...	47°694	+12°837	-2	...	...	...	54°804	-34°434	-5	...	...
...	39°510	+30°359	-2	...	...	...	47°700	-16°518	-5	e	...	...	54°958	-48°611	2°00	47.6364	8°8
...	39°624	-32°578	-4	a	...	*	47°882	+58°601	1°70	45.6682	9°2	...	55°098	-19°916	-3	...	...
...	39°703	+0°253	0°65	...	...	...	47°911	-14°411	0°70	...	...	...	55°360	-49°717	2°00	47.6365	8°7
...	+39°881	-41°118	-3	...	...	...	+48°143	+45°890	-5	e	...	...	+55°392	+10°553	-2	...	...
...	39°895	-0°876	-2	...	...	*	48°391	-54°018	1°35	47.6351	9°5	...	55°533	-33°130	-2	...	...
...	40°269	+42°956	-5	m	...	*	48°424	-47°399	1°15	47.6350	9°6	...	55°640	+57°961	-1	...	...
...	40°298	-14°363	-2	...	...	...	48°505	+46°845	-5	e	...	...	55°740	-15°220	-4	e	...
...	40°403	+12°951	-3	...	...	...	48°570	-37°028	0°85	...	...	S*	55°747	+52°971	2°10	45.6685	8°5
711	+40°453	-36°279	-5	m	...	771	+48°578	-17°679	-5	m	...	831	+55°789	-40°203	0°90	47.6366	10°0
...	40°690	+24°679	-5	m	...	*	48°644	-54°887	1°80	47.6352	9°0	...	55°878	+32°334	-4	...	...
...	40°911	+35°955	0°80	46.6633	10°0	...	48°895	+2°875	-5	e	...	...	55°911	-48°328	1°20	47.6367	9°6
...	40°923	+16°526	-4	...	...	...	48°982	-8°202	-5	e	...	...	55°985	+19°680	0°65	46.6637	10°0
...	41°098	-45°584	-1	...	...	†	49°146	+29°499	-4	...	...	...	56°448	+0°747	0°80	...	...
†	+41°151	-15°351	-5	m	...	...	+49°181	+26°774	-4	...	...	*	+56°556	-24°928	1°00	47.6368	9°6
...	41°352	+2°529	-4	a	...	*	49°275	+32°676	1°05	46.6635	9°6	...	56°567	+23°573	-5	...	...
...	41°577	+6°610	-2	...	...	...	49°369	-47°886	-5	e	...	...	56°803	-6°747	0°80	46.6638	10°0
...	41°717	-42°174	-4	...	...	...	49°504	-3°012	-5	e	...	...	56°857	+55°453	-3	...	...
...	41°867	+47°292	-5	m	...	...	49°606	+7°719	-3	...	...	...	56°970	-29°319	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
841-850																	
841	,	,	,	,	,	851	,	,	,	,	,	,	,	,	,	,	,
...	+57°149	-11°293	-3	o	...	...	+58°945	-2°417	1°20	46.6641	9°4	...	...	...	...	...	...
S*	57°241	-7°180	3°10	46.6639	7°2	...	59°070	-45°126	-1	...	...	...	...	...	...	...	...
...	57°278	-53°652	-3	...	...	*	59°112	-51°295	1°20	47.6370	9°5	...	...	...	...	...	...
...	57°482	+9°110	-3	...	...	...	59°246	-1°712	-5	...	...	...	...	...	...	...	...
...	57°840	+3°750	-4	...	...	...	59°372	-20°744	-2	...	...	...	...	...	...	...	...
†	+58°087	-5°325	-4	...	...	*	+59°431	+39°160	1°20	46.6640	9°2	...	...	...	...	...	...
...	58°154	+7°005	-3	...	...	...	59°526	+9°896	0°80	46.6642	10°0	...	...	...	...	...	...
*	58°491	-42°009	1°40	47.6369	9°5	...	59°611	+46°968	-2	...	...	...	...	...	...	...	...
...	58°545	-57°794	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	58°692	-34°796	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1-40						41-80						81-120						
I	,	,	,	,	,	41	,	,	,	,	,	81	,	,	,	,	,	
...	-59°792	-45°878	-4	o	...	...	-53°504	+2°034	-5	M	...	...	-48°646	-39°751	-5	o	...
...	59°336	-13°017	-5	E	...	...	53°096	-8°270	-4	E	...	...	48°593	+18°944	-1	...	...
...	59°238	+21°591	-5	...	...	...	52°971	+7°665	-3	...	...	...	48°547	+58°069	0°80	...	...
...	59°151	-0°895	-4	...	...	...	52°743	-3°061	-5	E	...	...	48°491	-34°462	-3	...	...
...	59°019	-41°735	-4	52°591	-37°096	0°85	S*	48°275	+53°087	2°00	45.6685	8°5
...	-58°926	-9°930	-4	E	...	*	-52°419	-47°465	1°10	47.6350	9°6	*	-48°210	-49°816	1°00	47.6361	9°9	
...	58°688	+47°460	-3	...	...	...	52°282	+37°376	-5	E	...	...	48°073	+3°058	-2	...	...
...	58°591	+38°418	-5	E	...	*	52°233	-54°096	1°20	47.6351	9°5	*	48°036	-45°758	1°30	47.6362	9°4	
...	58°567	-17°360	--4	...	...	+	51°949	-54°945	1°60	47.6352	9°0	*	47°986	-41°611	1°25	47.6363	9°4
...	58°284	+4°066	-5	E	...	...	51°844	-13°653	-5	E	...	...	47°931	-34°139	-3	...	...
II	*	-58°144	+9°612	0°85	46.6634	10°0	51	-51°836	-1°488	-5	E	47°653	+22°741	-5	M	...
...	58°048	-22°302	0°80	47.6344	10°0	...	51°719	+8°547	-4	...	...	...	47°499	+32°471	-3	...	...
...	57°915	+5°400	-2	...	...	...	51°659	+51°085	-4	...	...	...	47°278	+10°687	-2	...	...
†	57°875	-55°027	-3	...	...	...	51°436	-47°928	-5	E	...	...	47°266	+14°906	-5	M	...
*	57°773	-59°357	2°20	47.6343	8°8	...	51°435	-1°380	-5	E	...	...	47°254	+55°611	0°65	...	...
...	-57°672	+20°899	-5	E	...	...	-51°348	+30°943	-4	...	...	...	-47°109	+23°314	-5	M	...
...	57°458	-11°941	-3	...	...	...	51°243	+11°937	-4	E	...	...	47°032	-38°202	-5	E	...
...	57°114	-29°743	-5	E	...	*	51°30	+37°237	0°90	46.6636	9°8	†	46°986	+19°825	-1	46.6637	10°0	
...	56°999	-3°034	-5	E	...	...	50°994	-22°971	-2	...	...	...	46°948	+53°657	-5	...	...
...	56°893	+8°757	-4	...	...	*	50°608	-55°291	1°20	47.6353	9°5	...	46°604	-44°641	0°85	...	...
21	-56°845	+26°710	-5	E	...	+	-50°276	-50°028	-3	...	...	...	-46°597	-19°780	-3	...	...
...	56°608	+25°930	-4	...	...	+	50°037	-38°432	1°15	47.6355	9°5	...	46°569	-44°921	-5	E	...
...	56°370	-39°213	-3	...	...	...	49°991	-49°756	0°80	47.6354	10°0	...	46°523	+23°726	-4	...	...
...	56°359	-20°291	-4	...	...	...	49°974	-44°330	-4	...	...	...	46°449	-34°297	-5	M	...
*	56°317	+58°465	1°90	45.6682	9°2	*	49°856	-33°374	0°95	47.6356	9°8	...	46°337	-4°111	-5	M	...	
...	-56°009	-15°610	-3	...	...	...	-49°831	-57°167	0°65	...	...	...	-46°323	-35°125	-5	M	...
...	55°654	+45°761	-5	E	...	...	49°747	+2°365	0°70	...	...	...	46°116	-15°066	-4	E	...
...	55°308	+46°727	-5	E	...	...	49°658	+57°238	0°65	...	...	...	45°912	+0°917	0°70	...	...
†	55°053	+12°716	-1	...	...	*	49°651	-10°969	1°05	47.6357	9°4	*	45°817	-48°458	2°00	47.6364	8°8
*	54°926	-41°625	1°00	47.6346	9°7	...	49°640	+34°121	-5	E	...	...	45°753	-32°981	0°65	...	...
31	*	-54°816	-54°173	1°00	47.6345	9°6	*	-49°287	-28°801	1°05	47.6359	9°6	*	-45°388	-49°570	1°90	47.6365	8°7
...	54°756	-24°547	-5	E	...	...	49°166	+21°752	-2	...	...	...	45°317	-6°575	0°75	46.6638	10°0
...	54°447	-41°036	0°90	47.6347	10°0	...	49°120	-27°011	-4	E	...	...	45°253	-40°040	0°85	47.6366	10°0
...	54°136	+29°427	-3	...	...	...	49°092	+46°436	-4	...	...	...	45°147	+9°306	-3	...	...
*	54°117	+32°599	0°90	46.6635	9°6	*	49°088	-34°368	1°15	47.6360	9°2	*	44°991	-24°746	1°05	47.6368	9°6	
...	-54°115	-56°113	-3	...	...	...	-49°042	-48°141	-2	...	...	...	-44°887	-48°157	1°15	47.6367	9°6
...	54°112	-16°615	-4	E	...	...	49°022	-36°870	0°80	47.6358	10°0	...	44°852	+40°517	-5	M	...
...	53°998	+26°693	-4	48°864	+3°991	0°65	S*	44°848	-6°991	3°00	46.6639	7°2
...	53°968	-14°508	0°70	...	...	...	48°783	-59°257	0°65	...	...	...	44°841	-11°092	-3	...	...
...	53°532	+2°797	-5	E	...	...	48°701	+36°716	-5	M	...	...	44°757	-46°749	-5	M	...

MC measured from 1, 163, 308, 482, 641, 801.
ES " " 62, 235, 391, 566, 723, 871.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
121-180																	
121	-44°482	+51°919	-5	° M	...	181	-38°398	-54°674	0°85	47°6380	9°4	241	-29°130	+55°246	0°65	°	...
...	44°640	+3°959	-3	...	...	...	38°198	-58°735	-3	...	...	...	29°121	+14°547	-3	...	...
...	44°432	-29°130	-2	...	...	S*	38°024	-42°782	2°50	47°6383	7°7	...	28°900	+45°204	-5	M	...
...	44°425	+7°222	-3	...	...	...	37°996	-59°887	2°10	47°6382	8°7	...	28°559	-46°543	-5	M	...
...	44°238	+47°207	0°70	...	...	...	37°895	-3°730	-5	M	...	...	28°549	-28°862	-5	M	...
*	-44°178	+39°401	1°25	46.6640	9°2	...	-37°873	-0°237	-2	α	...	...	-28°378	-40°020	-4	...	...
†	44°091	-5°117	-4	...	...	*	37°746	-56°068	1°00	47.6384	9°5	...	28°301	-4°905	0°65	...	...
...	43°367	-53°425	0°65	...	...	...	37°670	+38°650	-2	...	...	...	27°826	-25°185	0°80	...	...
*	43°328	-2°177	1°10	46.6641	9°4	...	37°657	-38°508	-5	M	...	...	27°623	+38°930	-3	...	...
*	43°261	+33°225	1°35	46.6643	9°2	...	37°548	-3°301	-2	...	...	...	27°230	-47°974	0°70	...	...
131	-43°141	+10°154	0°85	46.6642	10°0	*	-37°299	-56°507	1°10	47.6385	9°4	251	-27°120	-10°725	-5	M	...
...	43°056	-1°461	-4	...	...	...	37°167	-52°564	-5	...	...	...	27°099	-58°040	-5	...	...
...	42°921	+44°935	-5	M	...	...	36°795	-32°551	-4	A	...	...	27°063	+15°105	0°70	...	...
...	42°580	+55°663	-4	...	...	...	36°474	+32°586	-1	...	...	*	26°841	-25°223	0°90	47.6395	10°0
...	42°568	+40°652	-4	...	...	...	36°454	+37°102	-2	...	...	...	26°541	-47°234	0°70	...	...
*	42°548	-34°546	-4	...	...	...	36°412	-26°723	-2	...	...	...	-26°504	-8°369	-5	M	...
*	42°522	-41°759	1°10	47.6369	9°5	...	36°373	+51°224	-3	...	...	...	26°396	+10°285	-2	...	...
...	42°497	+38°577	-5	...	...	*	36°065	-39°243	1°00	47.6386	9°2	...	26°130	-40°245	-5	M	...
...	42°434	+34°206	-5	M	...	...	35°853	-14°176	-3	...	...	...	26°010	+6°237	0°75	...	...
...	42°344	+45°146	-4	A	...	*	35°776	+26°529	1°00	46.6646	9°5	...	25°952	+0°956	-5	M	...
141	-42°320	-20°471	-2	...	...	*	-35°632	+50°795	1°00	46.6647	9°4	261	-25°931	-21°397	-5	M	...
...	42°170	+54°401	-3	...	...	...	35°282	+23°458	-3	...	...	...	25°779	+55°567	-3	...	...
...	42°106	+23°633	-1	...	...	...	35°220	-41°498	-3	...	...	...	25°549	-46°201	-4	A	...
...	41°951	-18°823	-3	...	...	*	34°704	+34°672	0°80	46.6648	9°9	*	25°530	-39°043	1°00	47.6396	9°8
...	41°948	-57°522	-4	...	...	...	34°445	+22°246	-5	M	...	...	25°443	-43°006	-5	M	...
...	41°842	-44°850	0°80	...	...	...	33°969	-48°198	-5	M	...	*	-25°434	-21°792	0°85	47.6397	10°0
...	41°723	-10°656	-3	...	...	†	33°947	+39°712	-4	...	...	...	25°145	+52°846	-5	...	...
*	41°590	-51°013	1°40	47.6370	9°5	...	33°861	-34°790	-3	...	...	...	25°123	+46°084	-3	...	...
*	41°513	-2°222	0°90	46.6644	9°8	*	33°742	-37°350	1°00	47.6388	9°2	*	25°059	-54°592	2°20	47.6399	8°1
...	41°347	-31°883	-5	M	...	*	33°381	+10°599	1°00	46.6649	9°5	...	24°814	-29°021	-5	M	...
151	-41°221	+6°154	0°80	...	...	...	-32°992	+15°826	-5	M	...	*	-24°804	-10°819	1°00	47.6400	9°6
...	41°187	+8°127	-3	...	...	*	32°737	-8°147	1°20	47.6389	9°4	...	24°799	+33°229	-5	M	...
...	41°158	+55°639	-3	...	...	...	32°533	+56°717	0°90	45.6695	10°0	...	24°714	-12°371	-5	M	...
*	41°021	-49°570	0°95	47.6371	10°0	...	32°309	-4°053	-4	B	...	†	24°709	+4°851	-4	M	...
*	41°011	+37°065	1°00	46.6645	9°9	...	32°074	-16°922	-3	...	...	...	24°639	+23°734	-4	...	...
...	-40°841	-46°156	-4	A	...	...	32°054	-24°112	-1	...	...	...	-24°592	-0°557	-3	...	...
...	40°636	-31°595	-4	...	...	...	32°013	+53°432	-3	...	...	*	24°583	+51°740	1°15	46.6650	9°4
...	40°608	+19°643	-4	...	...	...	31°762	-26°374	-4	A	...	...	24°526	-39°443	0°65	...	...
*	40°474	+37°011	-3	...	...	...	31°489	-34°779	0°65	47.6390	10°0	...	24°525	+58°404	0°75	...	...
*	40°416	-50°718	1°80	47.6372	9°0	...	31°484	+30°023	-5	M	...	...	23°920	-21°350	-5	M	...
161	-40°231	+52°025	-4	...	...	...	31°404	+51°291	-3	...	...	...	-23°857	+49°988	0°90	...	...
...	40°224	+46°176	-4	B	...	*	31°347	-40°380	1°10	47.6392	9°4	...	23°846	+41°034	-3	...	...
++	40°113	-50°346	1°40	47.6373	9°0	...	31°338	+28°588	-4	...	...	...	23°732	-32°727	-5	M	...
++	40°083	-57°033	1°90	47.6375	8°9	...	31°105	-40°828	-4	A	...	...	23°637	+39°571	-5	M	...
...	39°719	-15°344	-3	...	...	...	31°058	-52°514	0°65	...	...	...	23°596	+59°014	0°65	...	...
...	-39°622	+15°448	-5	M	...	...	30°875	-25°881	-4	A	...	...	-23°224	-46°773	-4	A	...
...	39°582	-19°098	-3	...	...	...	30°803	-53°192	0°80	...	...	...	23°172	+38°674	-4	...	...
n*	39°362	-50°560	1°80	47.6377	8°5	*	30°786	-47°200	1°80	47.6393	8°7	...	23°125	-31°909	-5	M	...
...	39°227	-42°296	-3	...	...	...	30°727	-49°187	-5	M	...	...	22°816	-33°534	-4	A	...
n*	39°201	-50°637	1°90	47.6377	8°5	†	30°687	-35°063	-3	...	...	*	22°697	-46°843	1°15	47.6401	9°5
171	-39°101	-46°425	-1	...	...	...	-30°675	+1°774	-5	M	...	...	-22°655	-10°780	0°65	...	...
*	38°997	-59°584	2°20	47.6378	8°6	...	30°524	+0°509	-3	...	...	...	22°574	+19°140	-4	A	...
...	38°868	+0°869	0°80	...	...	...	30°395	+30°378	-5	M	...	...	22°563	+18°380	-4	A	...
...	38°815	-28°860	-4	...	...	...	30°257	+23°071	-3	...	...	...	22°485	+17°523	-2	...	...
...	38°794	+29°229	-2	...	...	...	30°073	-59°710	-5	...	...	...	22°470	+23°875	0°85	46.6651	10°0
...	-38°764	-17°365	-3	...	...	...	-29°843	-53°236	-5	...	...	...	-22°426	+21°829	-5	...	...
*	38°584	-50°905	1°20	47.6379	9°2	...	29°555	+57°397	-4	...	...	...	21°988	-34°225	-3	...	...
...	38°486	-53°934	-3	...	...	...	29°319	-16°624	-3	...	...	...	21°622	-51°736	-5	M	...
n*	38°435	-54°576	0°90	47.6380	9°4	...	29°248	+10°036	-5	M	...	...	21°586	+28°731	-2	...	...
*	38°418	-51°427	2°00	47.6381	8°5	...	29°226	-41°816	-3	...	...	...	21°545	-41°584	-5	M	...

168, 170. C.P.D., mass.
179, 181. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
301-360																	
301	-21·514	+46·058	0·65	o	...	...	-13·976	+43·065	0·70	o	...	...	6·568	-19·243	-3	o	m
...	21·486	+14·934	-3	...	...	...	13·816	-58·790	-3	...	...	...	6·553	-17·496	-5	Bm	...
...	20·771	-23·066	-2	...	...	...	13·789	-27·603	-3	...	...	...	6·519	-8·396	-5	Mm	...
...	20·709	-50·899	-3	...	...	...	13·778	+4·281	0·75	...	...	*	6·502	+48·921	1·25	46.6666	9·4
...	20·391	+59·554	-5	...	...	...	13·393	-20·821	-2	...	...	...	6·365	-8·599	-5	Mm	...
...	-20·383	-59·793	-5	...	...	*	-13·312	+28·115	0·90	46.6659	9·9	...	-6·288	+51·441	-5	m	...
S *	20·263	+7·504	1·75	46.6652	8·7	...	13·267	-11·236	-4	...	...	...	6·176	+16·724	-4	Mm	...
...	20·099	-32·482	-3	...	...	...	13·233	+59·535	-1	...	...	...	6·102	+24·030	-2	...	...
...	20·032	-16·525	0·80	47.6402	10·0	...	13·087	-22·722	-2	...	...	...	5·989	+55·783	-4	...	...
...	19·645	+32·472	-4	...	...	...	13·044	+1·747	-5	M	...	...	5·976	-32·944	-4	Am	...
311	-19·462	-34·911	-3	...	...	...	-12·999	+23·440	-5	...	...	...	5·937	-12·721	-5	Mm	...
...	19·445	-18·321	-1	...	...	...	12·913	+22·607	-5	M	...	...	5·873	+19·552	-5	Mm	...
...	19·365	-56·230	-5	M	...	...	12·810	-28·931	-2	...	...	...	5·783	-19·124	-5	Mm	...
...	19·126	-44·772	0·85	47.6403	9·9	...	12·747	+50·616	-2	...	...	...	5·746	-15·023	-5	Mm	...
...	19·076	+48·117	-4	...	...	...	12·728	-11·179	-5	M	...	...	5·607	+22·578	0·65	...	...
...	-18·937	+33·614	-5	M	...	...	-12·553	+50·192	-4	A	...	...	-5·582	-54·567	0·85	...	...
...	18·871	-21·946	-5	M	...	...	12·393	-23·857	-5	M	...	...	5·381	+14·876	-3	...	...
...	18·831	-0·960	-4	...	...	...	12·220	+32·390	-2	...	...	...	5·361	+4·620	-2	...	...
*	18·781	+52·511	1·10	46.6653	9·4	...	12·173	-39·889	-4	...	...	...	5·340	-53·452	-5	...	...
...	18·781	-11·082	-5	M	...	...	12·131	-12·840	-1	...	...	...	5·238	+37·576	c·90	46.6667	9·6
321	-18·573	-15·236	-3	...	...	...	-11·957	+27·926	-5	M	...	...	5·086	+32·120	-5	Mm	...
S *	18·540	+33·098	1·75	46.6655	8·6	...	11·726	+4·023	-4	M	...	...	5·018	+15·994	-5	Mm	...
...	18·419	+45·773	-4	A	...	...	11·707	+38·553	0·70	...	...	...	4·945	+40·977	0·65	...	...
...	18·409	+35·542	-2	...	...	...	10·877	+31·144	-5	M	...	...	4·728	-1·960	-5	Mm	...
α*	18·365	+0·012	2·10	46.6654	8·5	*	10·699	+22·867	1·40	46.6660	9·0	...	4·182	+48·504	-2	...	...
...	-17·762	-38·481	-3	...	...	...	-10·620	+33·416	-4	...	...	*	-4·135	+8·108	1·35	46.6668	9·2
...	17·761	-42·542	-3	...	...	...	10·399	-7·580	0·70	47.6407	10·0	*	4·105	+33·721	2·80	46.6669	8·1
...	17·699	+30·143	-2	...	...	...	10·315	-48·385	-3	...	...	...	3·965	-56·348	-5	Mm	...
...	17·529	-40·144	-2	...	...	...	10·296	+7·955	0·75	46.6661	10·0	...	3·964	-29·571	-5	Mm	...
...	17·525	+28·388	-5	M	...	...	10·239	+56·927	-5	M	...	...	3·600	+35·245	-5	m	...
331	-17·377	-5·470	-4	...	...	...	-10·084	-29·583	1·00	47.6408	9·6	...	3·585	-49·367	0·65	...	...
...	17·032	+47·986	-4	A	...	...	10·002	+44·635	-4	...	...	...	3·268	+18·321	-5	Mm	...
...	16·988	-26·129	-1	...	...	...	9·777	+43·319	-4	...	...	...	3·161	+11·989	-3	...	...
...	16·814	-0·476	-2	...	...	...	9·760	-19·030	-5	M	...	...	3·037	-37·917	-2	...	...
...	16·773	+3·967	-1	...	...	N	9·754	+42·848	-4	A	...	...	3·036	+41·132	-3	...	...
...	-16·766	+37·185	-4	M	...	...	-9·497	+33·839	-3	...	...	...	-2·906	+42·985	-5	Mm	...
...	16·627	+27·613	-5	M	...	*	9·203	+57·124	0·95	45·6707	9·9	...	2·862	-5·807	-5	Mm	...
*	16·391	+12·983	1·10	46.6656	9·4	...	9·082	+35·863	0·75	46.6662	10·0	...	2·819	-11·225	-5	Mm	...
...	16·367	+3·973	-2	...	...	...	8·968	-55·437	-5	Mm	...	...	2·785	+47·731	-5	Mm	...
...	16·342	-38·285	-4	A	...	...	8·843	+15·496	0·65	...	...	...	2·737	-59·009	-5	...	...
341	-16·083	-8·521	-4	M	...	...	-8·574	-11·902	-5	Mm	...	...	-2·656	-5·840	-2	...	...
*	16·037	+36·121	1·00	46.6657	9·5	*	8·548	+39·054	1·00	46.6663	9·5	...	2·352	-37·367	-5	Mm	...
...	15·920	+13·664	-5	M	...	...	8·445	-59·475	-5	...	...	...	2·113	-36·823	-5	Mm	...
...	15·788	+24·306	-5	M	...	...	8·393	-42·914	-4	...	...	...	2·040	+58·379	-5	Mm	...
...	15·667	+48·908	-4	A	...	...	8·220	+2·153	-4	Mm	...	...	1·874	-16·411	-4	M	...
...	-15·499	-18·813	0·75	47.6405	10·0	†	-8·036	+44·691	-5	Mm	...	...	1·854	+47·992	-2	...	...
...	15·278	+34·542	-2	...	...	...	7·869	+53·119	-5	m	...	*	1·827	-58·313	0·95	47·6413	10·0
†	15·180	+36·240	-5	M	...	...	7·822	-55·816	-1	...	...	...	1·657	-4·907	-5	Mm	...
...	14·992	+24·431	-3	...	...	...	7·736	+46·466	-5	Mm	...	...	1·407	-7·967	-5	Mm	...
...	14·934	+8·614	-4	...	...	...	7·720	-15·263	0·75	...	...	...	1·340	+1·597	-4	M	...
351	-14·931	-21·223	-3	...	...	...	-7·633	-24·318	-3	...	...	...	1·304	+24·028	-3	...	...
...	14·836	+28·337	-4	...	...	...	7·411	-14·658	-4	A m	...	...	1·142	-0·106	-3	...	...
...	14·704	-13·166	-2	...	...	*	7·247	+15·924	1·25	46.6664	9·2	...	1·094	-58·656	-4	...	...
*	14·655	-56·292	2·00	47.6406	8·6	...	7·237	+7·062	0·85	46.6665	9·9	...	1·087	-2·789	-4	Bm	...
*	14·596	+48·117	0·90	46.6658	10·0	...	7·188	+30·253	-2	...	...	*	0·931	+9·956	0·95	46.6670	9·6
...	-14·519	+43·707	-5	M	...	S *	-7·177	-17·759	2·35	47.6410	7·8	...	-0·904	-13·401	-5	Mm	...
...	14·484	+33·893	-3	...	...	...	7·113	-44·604	0·70	...	...	*	0·543	-58·808	0·95	47.6414	10·0
...	14·458	+58·977	-5	M	...	...	6·969	-45·980	-1	...	...	...	0·522	-22·383	-3	...	...
...	14·325	-54·421	-5	M	...	*	6·951	+57·576	1·20	45·6710	9·4	...	0·446	+28·981	-5	Mm	...
†	14·049	-30·140	-4	...	...	...	6·622	-9·845	-5	Mm	...	...	0·293	+54·473	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
481-540																			
481	- 0.254	- 36.748	- 5	o m	...	541	+ 6.558	- 43.256	- 5	o M m	...	601	+ 14.412	- 28.969	- 5	o	...		
+	0.212	- 43.708	1.40	47.6415	8.9	...	6.734	- 0.896	- 1	...	...	...	14.447	- 33.188	- 3	...	...
...	- 0.155	- 29.419	- 5	M m	...	...	6.826	- 30.073	- 3	...	...	...	14.525	- 55.968	- 5	...	...
...	+ 0.144	- 52.664	- 3	...	...	...	7.076	- 9.452	- 4	M	...	...	14.590	- 55.269	- 5	m	...
*	0.297	+ 45.616	1.00	46.6671	9.4	...	7.193	- 34.865	- 4	...	...	...	14.786	- 40.878	1.05	47.6427	9.4
...	+ 0.378	+ 16.755	- 4	...	...	...	7.208	+ 1.561	- 5	M m	...	...	+ 14.814	- 41.036	- 5	m	...
...	0.759	- 46.843	- 4	...	...	...	7.254	- 49.675	- 4	M	...	...	14.979	- 7.489	- 5	...	...
...	0.813	+ 14.599	- 5	M m	...	...	7.396	+ 8.832	- 5	M m	...	...	15.104	+ 11.187	- 4	...	...
...	0.886	- 24.133	- 3	...	...	...	7.479	- 11.038	- 4	M	...	...	15.229	- 8.758	- 5	...	...
+	0.891	+ 44.744	- 5	...	...	...	7.502	+ 29.467	- 4	...	...	...	* 15.236	- 39.578	1.80	47.6428	8.8
491	+ 0.983	- 41.546	- 5	M	...	551	+ 7.595	+ 27.616	- 5	M m	...	...	+ 15.316	- 32.381	- 4	...	...
*	1.238	+ 8.077	0.90	46.6672	9.7	...	7.658	- 7.992	0.75	...	...	...	15.745	- 4.446	0.85	46.6682	10.0
...	1.311	- 32.618	- 2	...	...	...	8.057	+ 45.887	- 4	b	...	...	15.773	+ 40.299	1.15	46.6680	9.5
...	1.423	+ 36.684	- 3	...	...	...	8.103	+ 45.034	- 5	m	...	...	15.800	+ 27.459	0.75	46.6681	10.0
*	1.491	+ 48.778	- 4	M	...	...	8.228	+ 10.165	- 3	M	...	...	16.035	- 44.452	- 5	m	...
+	1.496	- 23.770	0.95	47.6416	9.6	...	+ 8.304	+ 15.060	- 3	...	...	...	+ 16.161	- 2.506	- 5	m	...
...	1.584	+ 32.494	- 1	...	...	S *	8.337	- 55.248	2.60	47.6420	8.1	...	16.197	- 7.464	- 2	...	...
*	1.744	+ 46.536	1.20	46.6673	9.0	...	8.380	+ 53.411	- 3	...	...	...	16.330	- 7.149	- 2	...	...
...	1.850	- 48.840	- 4	...	...	...	8.511	+ 15.626	0.65	...	...	...	16.540	+ 33.077	- 4	...	...
...	1.907	- 2.683	0.75	...	...	...	8.537	- 53.805	0.90	47.6421	10.0	...	16.598	- 55.750	- 3	...	...
501	+ 2.131	+ 46.475	- 5	M m	...	561	+ 8.744	- 47.337	- 3	...	...	...	+ 17.039	- 13.679	- 4	a	...
...	2.194	- 39.415	- 3	...	...	...	8.802	+ 35.392	- 4	...	...	...	17.096	- 36.751	- 5	m	...
...	2.261	- 29.623	- 4	...	...	...	8.835	- 31.905	- 4	M	...	...	17.367	+ 4.894	- 4	m	...
...	2.318	- 30.382	- 4	...	...	...	9.269	- 22.467	- 3	...	...	...	17.461	- 34.676	1.00	47.6429	9.7
...	2.482	- 43.360	- 4	...	...	...	9.698	- 11.608	- 4	a	...	...	17.681	+ 49.233	1.05	46.6683	9.8
+	2.490	+ 8.058	- 4	M	...	...	+ 9.999	- 22.877	- 5	...	...	...	+ 17.695	+ 22.580	- 3	...	...
...	2.617	+ 36.551	0.80	46.6674	10.0	*	9.989	- 40.409	1.90	47.6422	8.4	...	17.832	+ 19.016	- 3	...	...
...	2.621	- 13.974	- 2	...	...	...	10.129	+ 51.212	- 4	...	...	...	17.837	+ 24.191	- 4	...	...
...	2.755	- 35.439	- 4	...	...	...	10.515	- 41.466	- 5	m	...	...	18.010	- 1.321	- 5	m	...
*	2.756	- 42.602	1.00	47.6417	9.4	...	10.527	- 30.000	- 5	m	...	...	18.148	- 5.774	0.65	46.6684	10.0
511	+ 2.873	+ 42.833	1.00	46.6675	9.4	...	+ 10.663	+ 45.354	- 1	...	...	...	+ 18.209	- 5.844	- 1	...	...
...	2.889	+ 51.555	- 1	...	...	...	10.720	+ 15.628	- 4	m	...	...	18.456	- 3.372	- 4	...	...
...	3.066	+ 46.993	- 5	M m	...	...	10.757	- 29.093	- 3	...	...	...	18.604	+ 17.096	- 5	m	...
...	3.130	- 44.249	- 5	M m	...	...	10.759	+ 50.004	- 2	...	...	...	* 18.651	- 16.969	1.00	47.6430	10.0
...	3.157	- 47.277	- 2	...	...	...	10.926	+ 46.667	0.70	...	...	...	18.677	+ 21.173	- 5	m	...
+	3.159	+ 40.565	0.70	...	...	...	+ 10.948	+ 37.319	0.65	...	...	...	+ 18.773	+ 11.488	0.70	...	...
...	3.194	- 49.840	- 1	...	...	...	10.967	+ 43.618	- 5	m	...	...	19.151	- 13.772	- 5	m	...
...	3.391	- 52.974	- 4	...	...	...	11.034	+ 1.472	- 2	...	...	...	19.468	+ 39.230	- 5	m	...
...	3.545	+ 33.741	- 5	M m	...	...	11.150	- 41.179	- 4	...	...	...	19.549	+ 23.772	- 5	m	...
...	3.724	+ 29.810	- 4	M	...	...	11.431	- 12.405	- 5	m	...	...	* 19.559	+ 14.606	0.95	46.6685	9.8
521	+ 3.785	- 29.332	- 4	581	+ 11.487	- 42.598	- 5	641	+ 19.775	- 30.126	- 5	
...	3.907	- 12.331	- 5	M m	...	...	11.862	- 56.351	- 5	...	...	...	19.961	+ 35.541	- 4	b	...
...	3.966	- 47.432	- 5	M m	...	...	11.944	- 7.920	- 3	...	...	...	20.364	+ 19.762	- 5	m	...
...	4.007	- 29.299	- 5	M m	...	...	12.048	- 27.778	- 5	m	...	...	20.467	- 56.132	- 3	...	...
...	4.153	+ 52.784	- 4	m	...	...	12.194	- 5.230	1.40	46.6678	8.9	...	20.688	+ 13.809	- 3	...	...
+	4.181	- 4.456	- 4	...	...	...	+ 12.330	- 24.213	- 3	...	...	...	+ 20.934	+ 38.574	- 4	a	...
...	4.303	+ 30.890	- 5	M m	...	...	12.484	+ 5.423	0.70	...	...	...	20.959	+ 11.881	- 4	...	...
...	4.465	- 7.532	- 3	M	...	*	12.525	- 13.629	0.90	47.6423	9.9	...	21.454	- 31.544	- 5	m	...		
+	4.903	+ 34.886	1.35	46.6676	9.1	*	12.581	- 17.980	1.30	47.6424	9.1	...	21.486	- 54.546	- 4	b	...		
...	5.010	- 22.967	0.85	47.6418	9.8	...	12.830	+ 10.447	- 2	...	...	...	21.522	- 21.806	0.80	47.6431	10.2
531	+ 5.115	+ 54.293	- 5	m	+ 13.392	+ 26.163	- 5	m	651	S *	+ 21.523	+ 50.169	1.15	46.6686	9.0
...	5.731	+ 12.245	- 4	M	...	...	13.425	+ 34.995	0.65	...	...	...	21.947	- 51.786	- 5	m	...
*	5.784	+ 6.305	1.10	46.6677	9.4	...	13.556	- 40.256	- 5	m	...	...	22.011	- 44.713	- 5	m	...
...	5.859	- 24.135	- 4	...	...	...	13.713	+ 33.318	0.80	46.6679	10.0	...	22.190	+ 33.397	- 5	m	...
...	5.879	- 3.484	- 5	M m	...	...	13.715	- 14.951	- 5	...	...	...	22.288	- 10.899	- 4	...	...
+	5.923	- 15.403	- 1	...	...	*	+ 13.744	+ 31.111	- 5	m	...	...	+ 22.337	+ 50.571	- 5	m	...
...	6.062	- 52.351	- 5	M m	...	*	13.876	- 56.248	0.95	47.6425	10.0	...	22.414	- 37.221	- 2	...	...
...	6.103	+ 2.959	0.65	...	...	...	14.043	- 1.078	- 3	...	...	...	22.723	+ 41.075	- 5	m	...
...	6.307	+ 41.889	0.80	...	...	...	14.225	- 28.090	0.85	47.6426	10.0	...	23.040	+ 20.210	- 3	...	...
...	6.514	+ 9.091	- 4	M m	...	...	14.318	- 54.899	- 4	...	...	...	23.416	- 51.784	- 5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
661-720																	
661	+23°425	-31°596	-5	m	...	721	* +29°612	-7°811	0°80	°	...	781	* +37°676	+40°482	0°95	46°6693	10°2
S*	23°513	-2°653	1°70	46.6687	8·4	...	29°671	+25°460	0°65	...	...	...	37°719	-17°411	-3	...	...
...	23°578	+20°342	-5	m	...	...	29°867	+58°754	-2	...	...	...	37°804	+53°552	-5	m	...
...	23°606	+45°033	-5	m	...	...	29°977	-21°915	-5	m	...	...	37°804	+4°676	-2	...	...
...	23°753	+12°734	0°65	...	...	S*	30°017	-40°653	1°90	47.6439	8·0	...	37°875	-54°836	-4	...	...
...	+23°931	-24°236	-5	m	...	...	+30°039	-8°970	0°65	...	...	...	+38°199	+52°988	-4	...	...
...	23°996	+32°387	-4	a	...	...	30°102	-28°275	-1	...	...	...	38°246	-16°233	-5	...	...
...	24°026	+58°722	0°70	...	...	...	30°118	-47°973	0°65	...	...	...	38°419	-14°259	-3	...	...
...	24°105	+37°284	-4	a	...	...	30°541	+3°692	-2	...	...	...	38°559	+14°925	-5	m	...
...	24°221	+58°323	-4	...	...	...	30°581	-0°866	-2	...	...	...	38°611	+15°252	-5	m	...
671	+24°323	+31°611	-1	...	...	731	+30°585	+50°109	-5	m	...	791	+38°647	+45°946	0°80	46.6694	10°2
...	24°432	-46°711	-3	...	...	...	30°668	+43°582	-2	...	...	...	38°659	+11°224	-3	...	...
†	24°690	-13°020	-5	...	...	...	31°001	-29°247	-2	...	...	...	38°682	+50°449	-1	...	...
...	25°072	+3°207	-4	...	...	...	31°044	+4°182	-3	...	...	...	38°783	+25°462	-5	m	...
...	25°101	-24°029	-5	m	...	...	31°318	+23°257	-2	...	...	...	38°906	-22°203	-2	...	...
*	+25°162	-34°234	-5	m	...	...	+31°363	+21°679	-4	...	...	...	+39°123	+17°333	-4	...	...
*	25°163	+34°982	0°95	46.6688	10·2	...	31°450	-49°601	-5	m	...	...	39°197	+29°607	-4	...	...
...	25°176	-37°441	-3	...	...	...	31°472	-1°274	0°70	...	...	...	39°245	-36°723	-5	m	...
...	25°226	-26°420	-5	m	...	...	31°655	+34°151	-3	...	...	...	39°355	+16°648	-4	...	...
...	25°391	+36°608	-5	m	...	...	31°695	-5°409	-5	m	...	...	39°426	+28°137	-5	m	...
681	+25°493	-33°814	-5	...	...	741	+32°152	-13°063	-4	...	...	801	+39°728	-23°504	0°90	47.6447	10°0
...	25°689	-58°565	0°90	...	...	...	32°304	+16°501	-4	m	...	...	39°775	-42°731	-5	m	...
*	25°895	-37°013	1°00	47.6434	9·8	*	32°604	-20°514	1°15	47.6440	9·6	...	39°920	+24°407	0·65	...	...
...	26°001	-2°245	-4	m	...	...	32°658	-46°583	-5	m	...	...	40°197	+54°219	-3	...	...
...	26°081	-49°666	-5	...	...	...	33°111	-6°337	-5	m	...	...	40°254	+51°927	-3	...	...
...	+26°349	+18°936	-3	...	...	...	+33°271	-59°518	0°90	47.6441	10·0	S*	+40°571	+13°518	1·85	46.6695	8·3
...	26°364	+48°669	-4	m	...	...	33°397	+12°503	-1	...	...	...	40°744	+36°027	-1	...	...
...	26°448	+30°736	-4	...	...	...	33°405	+54°770	-5	...	...	...	41°031	+37°701	-3	...	...
...	26°474	+7°186	-5	m	...	...	33°665	-18°332	-3	...	...	...	41°066	+15°072	0·70	...	...
*	26°490	+4°691	0°95	46.6689	10·2	...	33°684	-11°396	-5	...	...	...	41°468	+56°488	-4	...	...
691	+26°721	+25°625	0·65	...	...	751	* +33°718	-42°476	1°00	47.6442	9·8	811	+41°502	+16°483	0·65	...	...
...	26°831	-14°310	0°70	...	...	...	33°805	+39°738	-3	...	...	...	41°588	-19°757	-5	m	...
...	26°837	+49°007	-4	a	...	...	33°874	+5°037	-4	...	...	...	41°916	+26°807	1·20	46.6696	9·4
...	26°855	+21°135	-3	...	...	...	33°948	+4°739	-4	...	...	...	42°058	+20°760	-5	m	...
*	27°044	-51°192	1°30	47.6435	9·2	...	33°950	+35°143	-4	...	...	...	42°252	-14°211	-3	...	...
...	+27°050	-11°246	0°70	...	...	...	+34°120	+23°160	-3	...	...	...	+42°261	-48°723	-2	...	...
...	27°220	+23°244	-3	...	...	...	34°337	-17°174	0°85	47.6443	10·2	...	42°363	+30°278	0·70	...	...
...	27°400	+16°806	-3	...	...	...	34°495	-7°206	-5	m	...	...	42°558	+7°025	-5	m	...
...	27°545	+44°529	-4	a	...	...	34°499	+5°295	-5	m	...	...	42°919	+37°245	-1	...	...
...	27°573	+12°483	-5	m	...	...	34°622	+31°990	-4	m	...	...	43°094	-20°754	-3	...	...
701	+27°743	+23°348	-1	...	...	761	+34°879	-59°284	-5	...	...	821	+43°157	+43°027	-3	...	...
...	27°829	+49°799	-5	m	...	...	35°116	-52°037	0°95	...	...	...	43°230	-22°576	0°90	47.6448	10°2
...	27°883	-47°423	-3	...	...	...	35°139	+25°557	-5	m	...	...	43°334	-8°771	-4	...	...
...	27°941	-34°384	-4	a	...	...	35°260	+22°194	-2	...	...	...	43°479	+24°778	-5	m	...
*	27°949	+14°032	0°95	46.6690	10·0	...	35°722	-25°404	-5	m	...	...	43°639	-5°225	-5	m	...
...	+27°974	-27°346	0·65	...	...	...	+35°869	-16°272	-5	...	...	...	+43°641	-23°498	-5	m	...
...	28°166	+41°299	-4	a	...	...	35°977	+11°062	-2	...	...	...	43°929	-19°887	-5	m	...
...	28°249	-40°362	-4	...	...	...	36°292	+25°800	-5	m	...	...	44°056	+18°108	-5	m	...
...	28°313	+16°629	-3	...	...	...	36°391	-10°368	-5	m	...	...	44°115	+42°989	-5	m	...
...	28°410	-7°876	-4	m	...	...	36°585	-44°673	-3	...	...	...	44°138	-21°046	-3	...	...
711	+28°540	-34°213	-2	...	...	771	* +36°602	-14°913	0°95	47.6444	10·0	831	+44°201	-40°991	-3	...	...
...	28°544	-0°112	0°70	α	...	...	36°888	-53°561	1°15	47.6445	9·4	...	44°249	+1°450	1·00	46.6697	9·8
...	28°705	+6°498	-3	...	...	...	36°927	-42°755	-5	m	...	...	44°415	-18°068	0·85	47.6449	10°2
†	28°811	+49°623	-5	m	...	...	36°961	+23°256	-4	a	...	...	44°415	-50°057	-2	...	...
...	28°886	-32°128	0°70	...	...	...	36°998	+48°129	1°05	46.6691	9·6	...	44°865	-29°410	-4	...	...
*	+28°897	-22°415	1°40	47.6437	8·9	*	+37°165	+42°675	1°10	46.6692	9·8	...	+44°948	-32°152	-3	...	...
...	29°201	-16°288	-3	...	...	...	37°274	-15°159	-2	...	...	...	45°017	-13°162	-5	m	...
...	29°203	+15°373	-1	...	...	...	37°459	-51°899	-3	...	...	...	45°045	-32°217	-4	...	...
...	29°546	-24°388	-5	m	...	...	37°533	-1°582	-2	...	...	...	45°469	+8°860	0·75	46.6699	10·2
*	29°561	-7°802	0·75	47.6438	9·7	†	37°551	+54°630	-4	...	...	...	45°486	+25°814	0·80	46.6700	8·9

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
841-880																		
841							881						921					
*	+45°579	+25°744	1°30	o			*	+51°641	+43°590	-4	...		*	+57°614	+18°730	1°05	46.6712	9°8
*	45°607	+27°483	1°10	46.6698	9°6		*	51°682	+44°415	1°35	46.6704	9°6	...	57°850	-56°600	-5	...	...
†	45°781	+9°742	-5	c			...	51°754	+6°121	-1	...		...	58°081	-9°045	-4	...	...
...	45°901	+5°321	-3	...			...	52°099	+47°275	-4	...		...	58°190	+41°982	1°00	...	...
...	46°085	-25°838	-4	a			...	52°131	+19°445	-5	m		...	58°510	-35°757	-4	...	...
...	+46°298	-47°672	-5	m			...	+52°316	+0°403	-5	m		...	+58°570	+11°324	0°95	46.6714	9°8
*	46°518	-44°679	0°90	47.6450	10°2	*	53°233	+31°288	0°90	46.6706	10°2	...	58°591	-2°358	-5	m	...	
...	46°647	+25°386	-4	...			...	53°322	+26°826	-3	...		...	58°630	+8°672	-5	e	...
*	46°666	+16°902	1°30	46.6701	9°0		...	53°364	-1°910	-5	m		†	58°721	+9°745	0°70	...	...
...	47°035	-27°203	-4	...			...	53°476	+14°798	-5	e		...	58°810	+38°471	-1	...	...
851							891						931					
...	+47°157	-30°914	-4	a			...	+53°729	+6°451	-2	...		...	+58°820	+35°892	1°10	46.6713	9°8
...	47°257	+20°852	-5	m			*	53°787	+40°459	1°00	46.6707	10°2	...	58°935	+52°961	-4	...	...
...	47°577	-21°735	-1	...			...	53°834	+13°796	-5	m		...	59°015	+11°068	-4	...	...
...	47°708	+33°734	-3	...			...	53°934	-31°641	-5	m		S*	59°264	+32°691	2°05	46.6715	8°4
...	47°788	-40°594	-3	...			...	53°988	-30°206	-5	m							
...	+48°196	-39°928	0°80	47.6451	10°2		...	+54°130	+22°629	-5	...							
†	48°244	-40°089	-2	...			...	54°211	-5°637	-1	...							
*	48°270	-26°134	0°95	47.6452	10°2	*	54°248	-1°097	1°00	46.6708	10°2							
...	48°372	-41°343	-2	...			...	54°376	-54°980	-5	e							
...	48°457	+22°994	-4	a			...	54°449	-5°998	-5	m							
861							901											
...	+48°499	-6°362	-4	a			...	+54°542	-5°385	-5	e							
...	48°580	-42°311	-3	...			...	54°709	+38°056	0°65	...							
...	48°623	+10°788	-4	c			...	54°832	+33°880	-5	...							
...	48°675	-1°055	-5	m			...	54°982	-18°065	-3	...							
...	48°707	+35°672	-4	...			...	55°128	+46°675	0°70	...							
...	+48°763	+45°680	-4	...			...	+55°192	-41°461	-5	...							
...	48°834	-7°821	-4	...			...	55°221	-7°900	0°70	...							
...	49°445	-23°613	-5	m			...	55°479	-11°712	-4	...							
...	49°541	-36°738	-5	m			...	55°783	-30°914	-2	...							
...	49°602	+48°210	-4	a			...	55°806	+45°942	-2	...							
871							911											
...	+49°757	+22°633	-3	...			*	+55°830	+10°080	0°85	46.6709	10°2						
...	49°805	+58°401	-5	...			*	55°957	+10°810	0°90	46.6710	10°2						
...	50°732	+12°723	-5	e			...	56°233	+46°089	-3	...							
...	50°973	-41°249	-5	m			...	56°652	-19°557	-1	...							
*	51°013	+16°460	0°90	46.6702	9°8	*	56°681	-42°878	2°10	47.6456	7°8							
*	+51°188	+18°326	-3	...		*	+56°764	-42°735	1°20	46.6711	9°8							
*	51°371	+19°240	1°05	46.6705	9°6	...	56°831	+27°010	-5	m								
*	51°425	+2°715	-5	m		*	57°178	+3°895	1°00	46.6711	9°8							
*	51°447	+36°342	1°00	46.6703	10°0	...	57°228	-20°334	-4	...								
*	51°488	+27°531	-5	...		*	57°379	+57°380	-5	...								

1-10						11-20						21-30					
1	-59°626	-14°483	-5	o		11	-57°344	-18°283	0°95	47°6449	10°2	21	-55°691	+33°601	-4	...	...
...	58°717	-9°019	-5	...		...	57°144	+8°667	0°85	46.6699	10°2	...	54°441	-27°313	-5	...	...
...	58°584	-20°994	-4	...		...	56°855	+9°572	-5	E		...	54°401	-44°817	1°05	47.6450	10°2
...	58°526	-48°972	-3	...		...	56°830	-41°185	-5	...		...	54°073	-21°834	0°65	...	...
*	58°397	-22°817	1°00	47.6448	10°2	...	56°606	+5°136	-5	...		...	54°067	+10°704	-5	E	...
*	-58°125	+1°219	1°10	46.6697	9°8	...	-56°536	-29°605	-5	...		...	-53°301	+22°573	-3	...	...
[	57°664	+25°615	0°80	46.6700	8°9	...	56°476	+25°218	-5	...		...	53°259	-7°893	-5	...	...
*	57°565	+25°555	1°40	46.6700	8°9	...	56°361	-32°337	-4	...		*	53°231	-26°207	1°00	47.6452	10°2
*	57°594	+27°290	1°20	46.6698	9°6	...	56°346	-50°259	-3	...		...	52°979	-49°678	-5	...	...
...	57°527	-21°257	-4	...		*	56°202	+16°751	1°50	46.6701	9°0	†	52°876	-40°001	0°75	47.6451	10°2

ES measured from 1, 98, 186, 282, 391, 516.
MC .., .., 44, 138, 244, 337, 458, 552.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
31-90																	
31	-52°798	-40°159	-3	o		91	-40°999	+9°177	0°75	o		151	-27°237	+10°751	-4	M	
...	52°662	-41°419	-2			*	40°670	+32°087	1°10	46.6717	9°6	...	26°680	-23°240	-4		
...	52°424	-42°365	-4			...	40°669	-15°579	-5	M		...	26°670	+58°507	1°20	45.6773	9°6
...	52°078	+43°589	-5			...	40°486	+53°352	-1			...	26°430	+51°319	0°75		
*	52°063	+44°408	1°30	46.6704	9°6	S *	40°422	-2°347	1°05	46.6716	9°4	...	26°332	-59°880	-4		
*	-52°052	+36°321	1°00	46.6703	10°0	...	-40°163	+36°701	-5	M		...	-26°167	-37°474	-1		
...	52°005	+12°686	-5	E		...	40°108	+34°950	1°60	46.6719	9°0	...	25°775	-23°731	-4		
*	51°850	+16°446	1°00	46.6702	9°8	*	39°897	-6°263	0°90	46.6718	10°2	...	25°751	-14°570	-4		
...	51°745	+47°274	-5			...	39°854	+47°412	-3			...	25°277	-20°302	-5	M	
...	51°735	+18°318	-5			...	39°436	+27°737	-3			*	24°896	+4°596	1°00	46.6726	10°2
41	-51°576	+19°246	1°15	46.6705	9°6	101	-38°969	+26°238	-4			...	-24°680	+28°808	-4	M	
...	50°787	+6°131	-2			...	38°936	-23°012	-4			...	24°676	-51°726	0°90	47.6462	10°2
†	50°105	+31°334	0°80	46.6706	10°2	...	38°526	+38°616	-5	M		...	24°667	+30°817	-4		
...	49°887	+26°872	-2			...	38°463	-14°953	-5			...	24°298	+0°823	-3	M	
*	49°865	+40°516	1°00	46.6707	10°2	...	37°869	+47°765	-3			*	24°281	+5°603	1°00	46.6727	10°0
...	-49°332	+14°873	-5	E		...	37°869	-3°011	-3			...	-24°142	-18°957	-3		
...	49°259	-55°369	-5	M		...	37°852	+33°186	0°80			...	23°785	+10°155	-4	M	
...	48°840	+38°143	-1			...	37°767	-46°697	-4			...	23°547	+28°885	-1		
...	48°827	+6°529	-3			...	37°633	-47°917	0°85	47.6457	10°2	...	23°487	+38°947	0°95	46.6728	10°2
...	48°690	+46°791	-1			...	37°554	+27°054	-3			...	23°446	+14°100	-1		
51	-48°578	+33°981	-4			III	-37°292	-42°709	-5			171	-22°942	+45°357	-4		
*	48°070	-1°000	0°90	46.6708	10°2	...	37°229	-14°641	-1			...	22°590	-22°098	-3		
...	47°988	+46°068	-3			...	36°758	+41°449	-5			...	22°417	-11°952	-4		
...	47°941	-5°540	-1			...	36°752	-13°284	0°70	47.6458	10°2	...	21°842	+42°924	-4		
...	47°627	-5°275	-5	E		...	36°545	-27°182	-5			...	21°809	+20°542	-4		
...	-47°564	+46°229	-3			...	36°413	+59°584	c°85			...	-21°682	+48°562	-3		
...	46°861	-7°775	0°65			...	36°326	-2°434	-4			*	21°556	-3°380	1°30	46.6729	9°6
...	46°826	+10°219	0°90	46.6709	10°2	*	36°153	+43°840	1°15	46.6721	9°8	...	21°278	-46°567	-5		
...	46°776	-17°937	-2			...	36°004	-42°658	1°00	47.6459	10°2	...	21°234	+45°261	0°85	46.6730	10°2
*	46°727	+10°961	0°90	46.6710	10°2	...	35°901	+17°894	0°75	46.6720	10°2	...	21°098	+11°082	-4	M	
61	-46°487	-11°560	-4			121	-35°675	-37°480	-2			181	-20°887	-1°754	1°00	46.6731	9°8
...	46°199	-54°864	-5	E		...	35°466	-37°362	-5			...	20°607	-17°524	-5		
...	45°835	-41°299	-5			...	35°236	+44°960	-5			...	20°505	-13°540	-3		
...	45°569	-30°749	-3			...	34°478	+39°386	-5	M		...	20°247	+19°356	-4		
...	45°486	+42°179	0°90			...	34°108	-23°602	0°80	47.6460	10°2	...	20°246	+4°330	-5	M	
*	-45°326	+18°923	1°00	46.6712	9°8	...	33°381	-35°776	-5			...	-20°082	-30°872	-5		
*	45°280	+4°088	1°00	46.6711	9°8	...	32°940	-58°558	0°65			...	19°993	-18°077	-4		
†	45°060	-19°369	0°65			...	32°070	+39°482	-5	M		...	19°913	-2°267	-5	M	
...	44°775	+38°680	-3			...	32°022	+31°930	0°85	46.6722	10°2	*	19°784	+12°932	1°10	46.6732	9°8
*	44°666	+36°113	1°00	46.6713	9°8	...	31°955	-50°569	-4			...	18°840	-1°626	-4		
71	-44°473	-20°143	-4			131	-31°637	-17°611	-5			191	-18°813	+8°946	0°85	46.6733	10°0
*	44°294	-42°678	2°00			...	31°561	-33°407	-5			...	18°651	+4°708	0°85	46.6734	10°0
*	44°216	-42°522	1°00	47.6456	7°8	...	31°414	+16°209	0°80	46.6723	10°2	...	18°497	-8°680	0°95	47.6465	10°0
*	44°132	+11°553	1°00	46.6714	9°8	...	31°258	-4°342	-5	M		...	18°457	-31°828	-3		
S *	44°107	+32°927	2°20	46.6715	8°4	S *	30°531	+6°616	1°80	46.6724	8°5	...	18°316	-14°424	-5		
...	-43°995	+8°904	-4	E		...	30°422	-26°258	-5			...	-18°249	-43°875	0°90	47.6464	10°2
...	43°980	-8°824	-4			...	30°230	+3°379	-3			...	17°766	-6°169	-4		
...	43°942	+9°981	0°75			...	30°156	-30°503	-4			...	17°600	-28°791	0°65		
...	43°684	+11°316	-4			...	30°102	-15°053	-4			...	17°481	-56°023	-5		
...	43°543	+32°360	-3			...	30°068	+14°348	-4			...	17°408	+45°623	-3		
81	-42°945	+41°187	-4			141	-28°883	+3°815	-4	M		201	-17°153	-6°938	1°20	46.6735	9°6
...	42°707	-56°334	-4			...	28°333	+5°133	-5	M		...	17°142	+45°424	-3		
...	42°702	-35°498	-3			...	28°316	+39°584	-5	M		...	16°936	+9°176	-3		
...	42°197	+22°423	-5	M		...	28°098	+3°629	1°00	46.6725	9°6	...	16°395	+48°614	-5	M	
...	42°142	+17°473	-3			...	27°844	-32°741	-4			...	16°382	-25°958	-5		
...	-42°117	+0°811	-4	M		...	-27°701	+56°224	-4			...	-16°274	+12°646	-5	M	
...	42°094	+34°870	-4			...	27°574	-9°305	1°00	47.6461	10°0	...	16°235	-26°923	-5		
...	41°918	-15°237	-5	M		...	27°462	+28°365	-4	M		...	16°132	+27°421	-5	M	
...	41°236	-13°866	-5			...	27°369	+36°242	-5	M		*	16°095	+48°027	1°00	46.6736	10°0
...	41°190	+6°683	-4	M		...	27°340	-19°914	-4			...	15°286	+21°996	-3		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
211-270						271-330						331-390					
211	-15·282	+15·011	-5	M	...	271	-3·749	-26·414	-5	o	...	331	+8·679	+25·956	-5	m	...
...	15·019	+11·583	-5	M	...	...	3·553	-39·238	0·90	47·6474	10·2	...	9·121	-33·004	0·80	47·6482	10·2
...	14·431	+54·477	-2	...	...	...	3·535	-32·788	-1	...	...	...	9·127	+10·070	0·70	...	...
...	14·327	+40·282	0·65	...	...	...	3·442	+30·325	-4	...	...	...	9·133	+28·182	-5	m	...
*	14·235	+17·866	1·15	46·6737	9·2	...	3·428	+33·226	-5	M m	...	...	9·136	+4·067	0·80	46·6754	10·2
...	-13·844	-39·093	0·80	...	...	...	-3·169	-15·765	-1	...	...	...	+9·298	-57·516	-5	...	...
...	13·790	-2·979	-5	M	...	...	2·485	+22·810	0·90	46·6744	10·2	...	10·045	-45·942	-5	...	...
...	13·662	+31·155	0·70	...	...	Ef*	1·755	+0·066	1·40	46·6745	9·4	...	10·196	-49·574	-5	...	...
*	13·439	+45·446	1·25	46·6738	9·2	...	1·459	-46·901	0·90	47·6475	10·2	...	10·472	-51·091	-5	...	...
...	13·118	+40·311	-3	...	...	...	1·429	-38·257	-4	...	...	...	10·576	-4·690	-1	46·6755	10·2
221	-12·820	+41·640	-5	M	...	281	-0·403	+1·960	0·85	46·6746	10·2	...	+10·791	+28·341	-3	...	...
...	12·818	+41·589	-3	...	...	...	+0·039	-11·844	0·85	47·6478	10·0	S *	10·850	-0·033	-4	...	...
...	12·757	+40·642	-4	...	...	...	0·045	+39·625	-4	M	...	...	11·115	-51·766	4·60	47·6483	6·6
†	12·611	-40·036	-2	...	...	...	0·329	-58·710	-3	...	...	...	11·116	+39·418	0·90	46·6756	10·2
...	12·521	-26·795	-3	...	...	...	0·341	-48·142	-1	...	...	*	11·254	-56·085	1·60	47·6484	9·0
...	-12·520	+43·622	-4	...	...	...	+0·400	-25·596	-3	...	...	...	+11·260	+30·519	-4	m	...
...	12·411	+25·255	-5	M	...	*	0·574	+47·789	1·90	46·6747	8·3	...	11·360	-1·768	0·90	46·6757	10·0
...	12·259	-12·930	-3	...	...	...	0·959	-26·875	-5	M m	...	...	11·501	-9·080	0·90	47·6485	10·0
*	12·183	-15·016	1·05	47·6467	9·6	...	1·016	+9·142	-2	M	...	...	11·636	-40·134	-4	...	...
...	12·039	-26·892	-3	...	...	...	1·192	-59·136	-5	...	...	...	11·896	-54·105	-1	...	...
231	* -12·029	-23·012	1·10	47·6468	9·6	...	+1·374	+49·737	-5	M m	...	...	+11·904	+33·465	-2	...	...
...	11·827	+29·878	-2	...	...	...	1·399	-11·538	-4	...	...	...	11·954	-21·397	-4	...	...
...	11·678	+53·821	-5	...	...	†	1·893	+29·758	-5	M m	...	*	11·958	+27·997	1·50	46·6758	9·0
...	11·600	+35·144	-3	...	...	...	1·918	+56·827	-4	M	...	...	11·977	+51·866	-2	...	...
...	11·594	+6·658	-5	M	...	*	1·985	+41·628	1·20	46·6748	9·4	...	12·320	+30·524	-3	...	...
...	-11·572	+29·045	-5	M	...	...	+2·338	-7·680	-4	...	...	...	+12·582	-31·196	-5	m	...
...	11·199	-8·379	-3	...	...	*	2·493	+42·615	1·00	46·6749	10·0	...	13·146	+39·082	0·85	46·6759	10·2
...	11·143	+5·877	0·75	46·6739	10·2	...	2·611	+55·033	0·65	...	...	...	13·314	-26·191	-4	...	...
...	10·823	-11·028	-5	...	...	...	2·802	+35·396	-2	...	...	...	13·317	+59·335	-4	...	...
*	10·811	+18·143	1·00	46·6740	10·0	...	2·847	+31·232	0·80	46·6750	10·2	...	13·520	-1·998	-5	...	...
241	-10·615	-1·444	-5	M	...	S *	+2·925	-36·781	1·90	47·6479	8·4	...	+13·765	-24·368	-3	...	...
...	10·608	-30·160	-5	M	...	...	2·996	+39·284	-5	M m	...	...	14·169	+27·740	0·75	46·6760	9·8
...	10·550	+6·627	-4	M	...	...	3·128	-5·780	-4	...	...	...	14·786	-23·002	-4	...	...
...	9·976	+0·583	0·75	46·6741	10·2	*	3·700	-41·319	1·00	47·6480	10·0	S *	14·833	-9·125	1·05	47·6486	9·4
+	9·768	-25·058	1·40	47·6470	9·0	...	3·743	-53·636	0·80	...	...	...	14·881	-55·218	-3	...	...
...	9·746	-8·166	-3	...	...	...	+3·852	-0·073	-4	M	...	...	+15·142	+20·226	-3	m	...
...	9·703	-14·215	-3	...	...	...	3·905	-40·666	-4	...	...	...	15·237	+14·543	-4	...	...
...	9·648	-43·990	-4	...	...	...	4·072	-26·828	-3	...	...	...	15·372	+17·971	0·85	46·6761	10·2
...	9·627	-14·787	-3	...	...	...	4·164	-37·019	0·70	...	...	...	15·386	+8·635	-3	...	...
...	9·209	-27·922	-2	...	...	...	4·364	+13·685	-5	M m	...	...	15·515	-28·133	-4	...	...
251	-9·143	+18·184	-3	M	...	...	+4·460	+56·535	-5	M	...	...	+15·655	-29·251	-4	...	...
...	9·097	+4·489	0·65	...	...	...	4·470	-54·459	0·95	47·6481	10·0	...	15·790	-17·767	0·90	47·6487	10·0
...	9·022	-27·640	-3	...	...	*	4·641	+40·517	1·40	46·6751	9·0	*	16·039	+51·885	1·50	46·6762	9·0
...	8·645	-43·290	0·80	...	...	...	4·836	-29·293	-5	...	...	*	16·490	-27·859	1·00	47·6488	10·0
...	8·459	-2·496	-3	...	...	...	4·940	-40·904	-4	...	...	S *	16·576	+47·444	2·30	46·6763	8·0
...	-8·341	+24·928	-4	M m	...	N *	[+ 5·078	+25·088	1·15	46·6752	9·4	...	+16·621	-12·875	-4	...	...
...	7·689	+53·437	0·90	...	...	...	5·196	-8·132	-4	...	...	...	16·667	+23·450	-1	...	...
...	7·488	+39·237	-3	M	...	...	5·457	+43·049	-4	M m	...	...	17·304	-17·794	-5	...	...
...	7·273	+15·341	0·85	46·6742	10·2	...	5·502	-1·991	-5	M m	...	...	17·748	+4·932	-5	m	...
...	6·912	-21·128	-4	...	...	*	5·671	+59·149	1·60	45·6798	9·2	...	17·817	+32·505	-4	...	...
261	-6·911	-48·684	0·80	...	...	...	+5·846	-39·538	-5	...	...	*	+17·964	+2·305	3·20	46·6764	7·5
...	6·790	+48·898	-3	...	...	...	5·981	-29·987	-4	...	...	...	18·111	+11·821	-3	...	...
*	6·383	+40·519	1·80	46·6743	8·8	...	6·062	-16·788	-4	...	...	*	18·256	-54·943	1·30	47·6489	9·0
...	6·277	+59·162	-3	...	...	...	6·715	-50·731	-5	...	...	...	18·665	+46·092	0·90	46·6765	10·0
...	6·065	-39·911	-5	...	...	...	6·717	-23·025	-4	...	...	...	18·700	-37·671	-5	...	...
...	-4·902	+58·856	-3	...	...	...	+7·051	+20·282	-4	M	...	...	+18·922	+29·324	-5	m	...
...	4·598	+56·307	0·90	...	...	...	7·640	-53·916	-4	...	...	...	19·046	+19·111	-4	...	...
...	4·557	+53·698	-3	M m	...	...	7·911	+44·498	-4	...	...	*	19·346	+28·575	1·00	46·6766	9·6
...	4·391	+7·118	-4	M m	...	...	7·977	+40·308	-3	...	...	...	19·419	+58·063	-3	...	...
...	4·167	-14·800	0·90	47·6473	10·2	S *	7·991	+19·457	2·10	46·6753	8·4	+	19·709	+26·589	1·30	46·6767	9·4

316. Mass. 46°·86, image very bad; 46°·87, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
391-450																	
39 ¹	+19°791	+10°128	0°95	46.6769	9·8	45 ¹	+28°562	+23°261	-5	0	...	51 ¹	+39°221	+11°834	-4	0	...
N	19°957	-4°063	-5	46.6768	10·2	...	28°601	-58°920	-5	...	...	...	39°385	+8°222	-5	m	...
...	20°081	-30°769	-4	...	...	...	28°774	+23°815	-5	m	...	...	39°397	-26°700	-4	...	...
...	20°165	-31°362	-3	...	...	...	28°801	+19°042	-5	m	...	*	39°487	+26°318	1°90	46.6783	8·5
...	20°167	+10°982	0·85	46.6770	10·2	...	28°886	+4°367	-5	m	...	...	39°524	+58°475	-4	...	...
...	+20°542	-50°362	-5	...	...	...	+28°964	+25°514	-1	...	...	...	+39°793	+29°063	0°95	46.6784	10·2
...	20°685	-18°426	-5	...	...	...	29°106	-43°221	0·80	47.6506	10·2	...	40°024	-37°144	-2	...	...
...	21°247	+20°780	-3	...	...	...	30°615	+0°575	0·65	46.6776	10·2	*	40°351	-25°633	1°15	47.6516	9·6
...	21°349	+44°034	-5	...	...	...	30°855	+48°124	-3	...	...	...	40°402	-44°668	-2	...	...
*	21°465	-41°039	1°00	47.6491	9·6	*	30°980	+10°326	1°00	46.6777	9·6	...	40°461	-27°612	-5	...	...
40 ¹	+21°570	-13°954	0°95	47.6492	9·7	46 ¹	+31°009	+6°272	-1	...	...	...	+41°325	-52°592	-5	...	...
...	21°684	-15°004	-4	...	...	...	31°060	+24°216	-1	...	...	...	41°937	+58°788	-1	...	...
...	21°697	-35°708	-3	...	...	...	31°157	+4°667	-3	...	...	*	42°065	+24°651	0°95	46.6785	9·8
...	21°796	-38°552	0·80	47.6493	10·2	...	31°264	-38°866	-2	...	...	...	42°226	+53°786	0°75	...	...
...	21°932	+20°861	-5	m	...	*	31°532	+22°344	0·90	46.6778	9·8	...	42°246	-45°176	-5	m	...
...	+21°998	+41°063	-5	m	...	...	+31°563	-45°651	-4	...	...	...	+42°288	+33°193	-2	...	...
...	22°008	-4°678	0·80	46.6771	10·2	...	32°017	+49°848	-4	...	...	...	42°317	+35°830	-4	...	...
...	22°146	-31°931	-3	...	...	*	32°060	+16°473	3·00	46.6779	7·4	...	42°488	-16°421	-3	...	...
...	22°246	+45°774	-5	m	...	...	32°067	+11°950	-3	...	...	...	42°692	+23°036	-5	m	...
...	22°347	+44°195	-3	...	...	...	32°467	-23°134	-1	...	...	...	42°909	+21°730	-5	m	...
41 ¹	+23°362	-18°307	-5	...	...	47 ¹	+32°629	-10°593	-4	...	...	...	+43°169	-23°181	-2	...	...
...	23°627	-42°027	-1	...	...	...	32°643	+39°306	-5	m	...	S*	43°195	-56°077	1°20	47.6517	9·6
*	23°830	-42°054	1°00	47.6494	9·8	...	32°784	+41°684	-3	...	...	...	43°604	-10°421	-5	...	...
...	23°862	-25°372	0·75	47.6495	10·2	...	33°040	-31°180	-3	...	...	*	43°753	+13°092	1°80	46.6786	8·8
...	24°033	-27°239	0·85	47.6496	10·2	...	33°161	-17°446	0·85	47.6508	10·2	†	43°847	+59°611	0·65	45.6829	10·2
...	+24°134	+29°150	-5	...	...	...	+33°514	+26°834	-2	...	...	...	+43°901	-19°920	-2	...	...
...	24°287	-47°360	-4	...	...	...	33°866	-47°471	-5	m	...	...	43°933	+22°918	-5	e	...
...	24°312	-42°776	-5	...	...	...	33°967	+58°351	-2	...	...	...	44°154	+54°308	-5	...	...
...	24°531	+38°448	-5	m	...	...	34°013	-22°388	-1	...	...	...	45°297	+36°169	-5	m	...
+	24°617	-40°615	1°30	47.6497	9·2	...	34°024	+27°458	-5	m	...	*	46°303	+6°534	1°05	46.6787	9·8
42 ¹	+24°768	-2°590	-5	m	...	48 ¹	+34°095	-6°706	-3	...	...	...	+46°683	-53°793	-5	...	...
...	24°841	-6°906	-5	m	...	...	34°299	+51°570	-1	...	...	...	46°889	+40°221	0·85	46.6788	10·2
...	24°933	-51°978	1°00	47.6501	10·2	...	34°662	+38°016	0·75	...	...	...	46°988	+1°717	-4	...	...
*	25°012	-36°974	1°05	47.6500	9·6	*	34°852	-55°560	1·50	47.6510	9·2	...	47°320	+52°869	0·80	...	...
*	25°023	-7°366	1°00	47.6499	9·6	*	34°878	-25°259	1·20	47.6509	9·4	...	47°376	-49°572	-4	...	...
...	+25°051	-8°517	0·75	47.6498	10·2	...	+34°903	+7°827	-3	...	...	...	+47°788	-22°198	-5	...	...
...	25°113	+45°426	-2	...	...	...	34°930	-23°940	-5	...	...	...	48°070	-36°302	-3	...	...
...	25°390	+23°461	-4	...	...	...	34°998	-17°003	-1	...	...	...	48°189	-47°778	-5	...	...
...	25°750	+24°023	-3	...	...	...	35°022	+38°361	-2	...	...	...	48°480	+55°009	0·85	45.6834	10·2
...	25°957	+28°058	0·70	...	...	...	35°060	-13°755	-5	...	...	*	48°766	+8°534	1°00	46.6789	10·0
43 ¹	+26°137	+2°614	-5	m	...	49 ¹	+35°604	+13°048	-5	m	...	...	+49°304	+28°019	-4	...	...
...	26°258	+24°115	-1	...	*	...	35°788	+55°300	3·00	45.6820	7·6	...	50°032	+6°514	-5	e	...
...	26°470	+45°494	-3	...	...	...	35°951	+1°799	-1	...	...	...	50°279	+36°946	-4	...	...
...	26°912	+1°091	-5	m	...	...	36°000	-29°073	-4	...	...	...	50°312	-24°160	-3	...	...
*	27°079	+27°818	1°40	46.6772	9·4	...	36°296	+13°789	-4	m	...	...	50°400	-42°528	-5	...	...
*	+27°415	-11°354	1°20	47.6504	9·6	...	+36°499	-11°890	-5	...	...	...	+50°807	+17°306	0·70	46.6790	10·2
*	27°463	+5°157	1°10	46.6774	9·8	...	36°639	-59°826	-1	47.6513	10·2	...	50°891	-6°911	-4	...	...
*	27°492	+40°658	1°20	46.6773	9·4	*	36°764	+10°359	1°10	46.6780	9·4	...	51°204	+56°919	0·95	45.6835	10·0
...	27°554	+46°447	-2	...	...	...	36°852	+17°192	-2	...	...	...	51°499	-4°072	-5	e	...
...	27°687	-8°424	-5	...	...	...	36°893	-16°135	0·70	47.6511	10·2	...	51°588	+20°957	-2	...	...
44 ¹	+27°716	+29°535	-1	...	...	50 ¹	+37°158	-45°754	0·95	47.6514	10·2	*	+52°435	+14°098	1°20	46.6791	9·6
...	27°855	+52°781	-2	...	...	...	37°435	+24°159	0·65	46.6781	10·2	...	52°495	-9°829	-3	...	...
...	27°896	+0°594	0·75	46.6775	10·2	...	37°500	+34°627	-4	...	...	...	52°977	-41°054	-3	...	...
...	28°020	+2°391	-5	m	...	...	37°509	+22°265	-5	m	...	...	53°220	-53°278	-5	e	...
*	28°058	-16°046	1°15	47.6505	9·6	...	37°768	-7°174	-1	...	...	...	53°485	+0°133	-4	e	...
...	+28°130	+35°243	-2	...	*	...	+37°822	+51°363	1°90	46.6782	8·4	...	+53°504	-43°029	1°00	47.6518	9·8
*	28°264	+53°162	1°90	45.6814	8·9	...	38°165	+17°935	-4	...	...	...	53°602	-14°028	-1	...	...
...	28°431	+3°243	-5	m	...	...	38°693	-25°287	0·95	47.6515	9·7	...	53°822	-30°884	-3	...	...
...	28°529	-46°125	-5	m	...	...	38°716	-9°198	-1	...	...	...	55°087	-52°425	-3	...	...
...	28°542	-48°377	-2	...	...	...	39°086	-38°418	-2	...	...	...	55°637	-34°371	0·90	47.6519	9·8

Notes.	Co-ordinates,		Diam.	C.P.D.		Notes.	Co-ordinates,		Diam.	C.P.D.		Notes.	Co-ordinates,		Diam.	C.P.D.		
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	
571-580																		
57 ¹	+56.208	+7.874	-4	o	...	...	58 ¹	+57.225	+12.213	o.90	46.6796	10.2						
...	56.227	-1.237	-3	...	...	...	...	57.514	-45.118	-4	...	...				
...	56.326	+3.032	-3	...	...	...	...	57.542	+52.701	o.95	46.6794	10.2						
...	56.470	+26.166	o.80	46.6792	10.2		...	57.543	+13.199	-4	...	...				
...	56.786	-17.242	o.80	47.6520	10.2		...	58.171	+48.483	-1	...	...				
...	+56.839	+30.613	o.90	46.6793	10.2		...	+58.669	+38.591	-5	e	...						
...	56.841	-30.223	-4	...	...	...	...	58.778	+12.826	-3	...	...				
...	56.921	-20.142	1.00	47.6521	9.8		...	59.263	+36.279	-5	e	...						
S*	56.934	+8.619	1.35	46.6795	9.0													
...	57.008	+6.217	-5	e	...													

1-40						41-80						81-120					
1						4 ¹						8 ¹					
...	-59.315	-52.878	-5	o	...	...	-46.480	+52.866	o.90	46.6794	10.2	...	-40.298	+27.348	-4	...	...
...	59.310	-16.686	-3	...	...	...	46.466	+30.779	o.85	46.6793	10.2	...	40.268	-23.376	-4	...	...
...	59.132	+22.674	-5	E	...	...	46.368	+8.027	-2	...	...	*	40.151	+52.731	1.90	46.6799	9.0
*	58.996	+12.858	1.70	46.6786	8.8		46.286	-27.393	-5	M	...	...	40.093	-8.334	0.80	47.6523	10.0
...	58.413	-23.423	-1	...	...	...	46.100	+3.213	-2	...	...	...	39.870	+25.034	-5	M	...
...	-58.403	-10.655	-5	...	...	...	-46.061	-1.075	-3	...	...	...	-39.609	-5.980	-5	...	...
...	57.835	+21.102	-5	M	...	...	45.886	-41.479	-4	...	...	...	39.563	+21.727	-2	...	...
...	57.783	-20.130	-1	...	...	...	45.686	+48.670	-1	...	...	*	39.466	+10.194	1.05	46.6800	9.6
S*	57.343	-56.297	1.40	47.6517	9.6	S*	45.667	+8.797	1.25	46.6795	9.0	*	39.268	+39.121	1.25	46.6801	9.4
...	56.722	+40.059	o.95	46.6788	10.2	...	45.597	-34.209	o.90	47.6519	9.8	...	39.145	+35.226	-5	M	...
11						5 ¹						9 ¹					
...	-56.686	+52.710	-1	...	...	...	-45.560	-52.283	-1	...	...	*	-39.120	-38.577	2.00	47.6524	8.8
*	56.231	+6.367	1.00	46.6787	9.8	...	45.525	+6.396	-5	E	...	...	39.020	-1.300	-3	...	...
...	55.604	+54.893	-1	45.6834	10.2	...	45.490	+12.399	o.90	46.6796	10.2	*	38.798	+11.447	1.10	46.6802	9.8
...	55.390	+1.585	-4	...	...	...	45.205	+13.386	-3	...	...	...	38.495	+12.028	0.80	...	...
...	53.950	-53.916	-5	...	...	...	44.978	-17.049	0.65	47.6520	10.2	...	38.469	+55.050	-4	M	...
*	53.917	+27.935	-3	...	...	...	-44.890	+38.815	-4	E	...	...	-38.355	-36.315	-2	...	...
*	53.841	+8.448	1.00	46.6789	10.0	...	44.764	-19.952	0.95	47.6521	9.8	...	38.234	+24.214	0.80	46.6803	10.2
...	53.837	-22.287	-4	...	...	...	44.543	-30.010	-2	...	...	...	38.209	-29.658	-5	...	...
...	53.376	-49.681	-4	...	...	...	44.255	+36.528	-4	E	...	...	38.162	+26.965	-2	...	...
...	53.244	+36.903	-3	...	...	...	44.146	-21.866	-5	M	...	...	38.116	+20.487	-4	...	...
21						6 ¹						10 ¹					
...	-53.103	-36.387	-3	...	...	...	-43.974	+13.063	-3	...	...	...	-38.021	+51.850	0.85	46.6804	10.2
...	52.930	+56.887	o.90	45.6835	10.0	...	43.392	-44.893	-3	...	...	...	37.795	-38.033	-3	...	...
...	52.620	-47.868	-4	...	...	*	42.786	+53.370	1.10	45.6846	9.8	...	37.784	-12.405	-4	...	...
...	52.508	+6.465	-5	E	...	...	42.734	+35.675	-3	...	...	...	37.713	+10.109	-5	M	...
...	52.079	+17.278	0.75	46.6790	10.2	S*	42.066	-4.407	1.85	46.6797	8.5	...	37.651	+38.196	-4	...	...
...	-51.420	+20.950	-2	...	...	...	-41.818	+24.781	-3	...	...	...	-37.600	+50.584	0.75	46.6805	10.2
...	51.234	-6.919	-4	...	...	...	41.500	-6.310	-5	M	...	...	37.499	+21.278	-3	...	...
...	51.234	-24.179	-2	...	...	*	41.275	+20.830	2.70	46.6798	7.8	...	37.499	+21.220	-5	M	...
...	50.701	-4.064	-4	E	...	...	41.272	-9.825	-1	...	...	...	37.377	-31.132	-5	M	...
...	50.569	-42.521	-3	...	...	...	41.258	+19.944	-4	...	...	...	37.241	-5.629	-2	...	...
31						7 ¹						III					
*	-50.339	+14.129	1.10	46.6791	9.6	...	-40.924	+49.909	-5	M	...	...	-37.209	-12.057	-4	...	...
...	49.534	-9.781	-3	...	...	*	40.886	-56.271	2.10	47.6522	8.4	...	37.188	+37.570	0.65	...	...
...	48.863	+0.211	-4	E	...	...	40.862	-45.062	-3	...	...	...	37.182	-56.955	-5	M	...
...	48.296	-13.945	-1	...	...	...	40.673	-19.411	-5	...	...	...	37.092	-44.225	-5	...	...
...	48.143	+43.522	-5	M	...	...	40.664	-38.820	-5	M	...	...	36.914	+59.171	-1	...	...
...	-48.031	-40.968	-2	...	...	...	-40.555	-27.828	-3	...	...	...	-36.887	+15.075	-3	...	...
...	47.541	-30.771	-3	...	...	*	40.454	-10.087	-3	...	...	...	36.439	+25.242	-2	...	...
*	47.462	-42.917	1.00	47.6518	9.8	...	40.410	+35.155	-3	...	...	...	36.368	-37.460	-1	...	...
...	47.401	-53.192	-5	E	...	...	40.335	-18.557	0.65	...	...	...	36.122	-0.681	-4	...	...
...	46.689	+26.310	o.80	46.6792	10.2	...	40.304	+5.412	-5	M	...	...	36.028	-58.788	0.70	...	...

MC measured from 1, 151, 328, 537.
ES " " 55, 227, 429, 610.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
121-180																		
121	-35°919	+28°281	-5	M	...	181	-24°994	+3°482	1°50	46.6812	9°0	241	-12°963	-24°828	1°00	47.6541	9°8	
*	35°820	+11°362	1°00	46.6806	9°8	...	24°869	+29°930	-2	...	...	...	12°880	-18°145	0°90	47.6542	10°0
...	35°761	-32°615	-5	M	...	...	24°687	-21°322	-5	...	...	...	12°843	-44°755	-5	...	...
...	35°283	+3°226	-5	M	...	*	24°586	+12°097	1°20	46.6814	9°6	S*	12°783	+52°710	1°50	46.6821	8°9	
...	35°258	-26°293	-2	...	...	...	24°583	-31°519	0°75	47.6533	10°2	S*	12°759	-52°805	1°75	47.6540	9°0
...	-35°135	-0°532	-5	M	...	...	-24°172	-43°729	-4	...	...	...	-12°632	+31°262	-3	...	...
†	35°054	-40°756	-4	...	...	...	23°622	-18°283	-5	...	...	...	12°549	-24°026	-3	...	...
...	34°945	-43°407	0°65	...	...	...	23°426	+56°334	-3	...	...	...	12°504	+41°283	-5	M	...
...	34°748	-37°223	-3	...	...	...	23°299	-55°301	-3	...	...	...	12°466	+30°357	0°80	46.6822	10°0
...	34°648	+11°825	0°70	46.6807	10°2	...	23°239	+20°624	-4	M	...	*	12°250	+26°092	1°05	46.6823	9°8	
131	-33°893	+6°180	-5	M	...	191	-23°111	+23°754	-5	M	...	...	-12°118	-7°789	-4	...	...
...	33°798	+32°975	-5	M	...	...	22°826	+59°277	0°80	45.6863	10°2	...	11°961	-50°292	-4	...	...
*	33°702	+5°701	1°15	46.6808	9°4	...	22°671	+3°830	-3	...	...	...	11°570	+34°670	-3	...	...
...	33°696	-2°852	-5	...	...	...	22°372	-20°419	-3	...	...	...	11°216	+8°036	-3	...	...
...	33°161	-33°834	-1	...	...	...	22°254	+51°442	-3	...	...	...	11°197	+19°529	-4	M	...
...	-33°099	-35°850	-4	...	...	...	-22°217	-1°834	-2	...	...	...	-11°186	+3°611	0°90	46.6824	10°2
*	33°070	-51°237	1°10	47.6526	10°0	...	21°980	-38°921	-1	...	...	...	11°117	+37°837	-5	M	...
...	32°184	+21°544	-3	...	...	*	21°657	-42°129	1°20	47.6534	9°4	...	10°877	+22°993	-4	...	...
...	32°024	-47°413	-5	...	...	...	21°271	+21°495	-2	...	...	...	10°585	+26°439	-1	...	...
...	31°970	+44°148	-5	M	...	...	21°247	+1°950	-3	...	...	...	10°500	-18°122	0°80	47.6544	10°2
141	-31°863	-52°331	1°05	47.6527	9°7	...	201	-20°961	+48°964	0°85	-10°496	-22°939	-5	M	...
...	31°468	+31°118	-2	...	...	...	20°899	-24°266	-1	...	...	...	10°299	+25°258	0°90	46.6826	9°8
...	31°149	-59°383	-2	...	...	...	20°669	+32°279	-3	...	...	...	10°234	+3°416	0°80	46.6825	10°2
...	31°053	+28°978	0°65	...	...	*	20°035	+44°952	1°50	46.6815	9°2	†	10°132	+29°223	-5	M	...
...	30°916	+18°572	-1	...	...	...	19°830	-10°661	0°90	47.6536	10°2	*	9°927	-25°107	-3	...	...
...	-30°873	-3°272	-4	...	...	*	-19°617	+13°119	1°50	46.6816	9°0	*	9°756	+37°629	0°95	46.6827	10°0
...	30°290	+59°560	-4	...	...	...	19°344	-27°461	0°75	...	...	...	9°045	+46°090	-5	...	...
†	30°105	-18°790	-5	M	...	...	19°137	+32°183	-2	...	...	...	9°043	-13°241	-4	...	...
†	30°102	-29°509	-3	...	...	...	19°015	+33°307	-4	M	...	...	9°041	-54°457	-2	...	...
†	30°096	-50°745	-4	...	...	...	18°905	+52°466	0°90	46.6817	10°2	...	8°932	-19°247	0°85	47.6545	9°8
151	-29°996	-47°594	-2	211	-18°512	+8°301	0°70	-8°775	-30°241	-4	m	...
...	29°934	+54°614	0°90	45.6858	10°2	...	18°303	+26°137	-4	M	...	n	8°635	-50°956	0°95	47.6546	10°0	
...	29°915	-49°470	-2	...	...	...	18°222	+48°789	-3	...	...	*	8°409	-6°420	0°95	46.6828	9°8
...	29°847	+54°362	-4	M	...	...	18°196	+11°604	-4	...	...	n	8°398	-51°096	0°75	47.6546	10°0
*	29°828	-37°459	1°20	47.6528	9°4	...	17°880	+22°870	-5	M	...	...	8°346	-46°725	-5	...	...
...	-29°703	+30°499	0°65	...	...	...	-17°435	-10°699	-3	...	...	...	-7°982	-57°229	-3	...	...
...	29°593	-23°181	-3	...	...	...	17°401	+34°944	-5	M	...	*	7°862	+36°575	1°05	46.6829	9°6
...	29°535	-25°527	-4	...	...	*	16°821	+11°564	1°00	46.6818	10°0	...	7°811	-50°306	-4	...	...
...	29°454	+38°453	-5	M	...	...	16°366	+30°564	-2	...	...	*	7°724	+22°985	1°00	46.6830	9°8
...	29°076	-59°791	-4	...	...	...	16°364	-34°655	0°90	47.6537	10°2	*	7°357	-50°419	1°80	47.6547	8°7
161	-29°021	-11°424	-5	M	221	-16°311	-43°462	-1	-7°311	+33°867	-4	m	...
...	28°954	+30°864	0°95	46.6809	9°8	...	16°050	-46°951	-5	...	...	...	7°274	-56°485	-3	...	...
...	28°910	-1°929	-4	M	...	...	15°874	+17°249	-3	...	...	...	7°223	+47°939	-3	...	...
...	28°390	-40°862	0°90	47.6529	10°2	...	15°765	-23°647	-5	M	...	...	7°222	+59°462	0°95	45.6871	9°8
...	28°345	-33°353	0°80	47.6530	9°7	...	15°433	-19°745	-4	...	...	...	7°178	-37°587	-3	...	...
†	-27°763	+24°843	0°90	46.6810	10°2	...	-15°361	-35°829	-1	...	...	*	-7°099	+19°962	1°05	46.6831	9°8
S*	27°439	-32°704	3°90	47.6531	6°8	*	14°983	-27°276	0°95	47.6538	9°7	...	7°029	-41°667	-3	...	...
...	27°197	+40°148	-5	M	...	...	14°974	+50°634	-4	...	...	...	6°694	+44°969	-3	m	...
...	27°171	+14°059	0°70	...	...	...	14°957	+25°721	0°85	46.6819	10°2	...	6°348	+24°647	-3	...	...
...	26°990	-38°661	0°80	47.6532	10°2	...	14°351	+38°332	-2	...	...	...	6°149	+7°999	0°80	46.6832	10°2
171	-26°870	-57°257	0°85	231	-14°286	+40°726	-4	M	-5°780	+13°487	0°90	46.6833	10°0
...	26°733	+48°468	-4	M	...	...	13°945	+7°703	-4	...	...	...	5°628	-7°383	-5	m	...
†	26°520	-5°161	-3	...	...	...	13°885	-44°261	-5	M	...	...	5°549	+46°683	-5	M m	...
...	26°446	+17°228	-4	M	...	...	13°837	-18°496	-5	...	...	...	5°358	-58°021	-5	m	...
...	26°435	+36°084	0°80	46.6811	10°2	...	13°834	-39°731	0°80	47.6539	10°2	...	5°335	-17°247	-3	...	...
...	-26°164	-21°815	-5	...	...	...	-13°721	-0°51	0°95	46.6820	9°8	...	-5°307	-36°410	-4	m	...
...	25°782	-22°510	-3	...	...	...	13°585	+7°630	-5	M	...	...	5°290	-51°268	-5	...	...
...	25°704	+33°217	-5	M	...	...	13°408	+5°852	-5	M	...	...	5°101	-28°492	-3	...	...
†	25°106	+42°059	1°70	46.6813	8°9	...	13°311	-45°943	-5	...	...	...	4°891	-18°509	-5	M m	...
†	24°996	+24°929	-1	...	...	...	13°161	+16°979	-2	...	...	...	4°743	-41°836	-5	m	...

272, 274. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
301-360																	
301	- 4.737	+42.326	- 4	o	...	361	+ 5.681	-22.486	- 3	o	...	421	+13.586	-33.135	- 5	m	...
...	4.737	-41.607	- 3	...	...	...	5.786	- 5.162	- 5	M m	...	...	13.694	+ 8.349	- 5	m	...
...	4.576	+45.327	0.65	...	...	...	5.966	+17.838	- 2	...	...	...	14.302	-11.316	- 4	...	...
*	4.486	-58.219	1.30	47.6548	9.6	...	6.272	-30.525	- 5	m	...	...	14.481	-11.542	- 3	...	...
...	4.190	+32.983	- 4	M m	...	...	6.297	-27.065	0.80	47.6557	10.2	*	14.507	+23.428	1.60	46.6855	9.0
...	- 4.031	-53.931	- 3	...	...	...	6.401	-57.823	- 3	...	...	...	+14.564	+11.405	- 4	m	...
+	3.611	- 5.090	1.60	46.6834	9.0	*	6.488	+55.858	1.20	45.6880	9.4	...	14.613	-30.022	c.85	47.6563	10.2
N	3.495	+33.794	0.75	...	...	...	6.556	+37.734	- 3	...	...	...	14.777	-13.055	0.80	...	...
N*	3.457	+33.832	1.00	46.6835	9.6	...	6.618	-20.604	- 2	...	...	...	15.414	-12.166	- 2	...	...
*	3.428	-50.561	2.10	47.6549	8.0	...	6.670	-47.612	- 5	m	...	...	15.619	-47.442	0.75	47.6564	10.2
311	- 3.114	+26.994	- 2	...	...	371	+ 6.679	-20.907	- 4	...	...	431	+15.803	+39.103	0.65	46.6856	10.2
...	2.840	+24.701	- 3	...	...	...	6.708	+46.199	0.85	...	...	...	15.804	-29.672	- 5	m	...
...	2.825	+ 1.419	- 4	M m	...	...	6.885	+58.398	- 3	...	...	...	15.950	-44.189	- 3	...	...
...	2.686	-20.713	- 4	...	...	...	7.054	+26.874	- 2	...	...	...	16.047	+57.211	0.70	...	...
...	2.668	-58.886	- 5	...	...	...	7.103	-27.109	0.85	47.6558	10.2	...	16.092	-48.381	- 2	...	...
S*	- 2.636	+ 5.702	1.35	46.6836	9.4	...	+ 7.555	-30.973	- 5	M m	...	...	+16.103	+16.081	- 5	m	...
S*	2.554	+22.375	3.05	46.6838	7.6	...	7.759	+ 4.920	- 4	M m	...	...	16.137	-37.770	- 5	m	...
*	2.481	+ 6.493	0.95	46.6837	10.0	...	7.843	+11.326	- 4	M m	...	...	16.197	+23.680	- 5	m	...
...	2.296	-38.453	- 4	...	...	...	7.984	+43.106	0.90	46.6844	10.2	...	16.301	+17.701	- 4	m	...
...	2.242	-28.261	- 5	m	...	...	7.994	-31.620	- 4	...	...	...	16.667	+38.847	- 4	m	...
321	- 1.374	+56.451	- 2	...	...	381	+ 8.000	-52.661	- 4	...	...	441	* +16.799	+13.362	1.00	46.6857	9.8
S*	0.937	-17.229	2.80	47.6550	7.8	...	8.047	- 9.934	- 3	...	...	...	16.869	+19.233	- 5	m	...
...	0.926	+51.980	- 5	M m	...	*	8.131	-18.503	1.80	47.6559	8.9	...	17.527	-49.971	0.70	47.6565	10.2
...	0.344	-26.187	- 3	...	...	...	8.208	- 6.079	- 2	...	...	...	17.665	+25.333	- 5	m	...
...	0.281	-53.677	- 3	...	...	...	8.298	-29.405	- 3	...	...	...	17.777	+39.458	- 4	m	...
...	- 0.242	+10.306	- 5	M m	...	*	+ 8.303	+32.573	0.95	46.6845	10.0	...	+18.061	+30.384	- 4	...	...
+	- 0.179	-37.889	1.00	47.6552	9.6	...	8.501	-43.958	- 4	...	...	...	18.070	+50.824	0.75	...	...
+	0.105	- 4.136	0.65	...	...	...	8.521	+18.684	0.65	...	...	...	18.362	-31.123	- 4	m	...
+	0.178	+14.789	0.85	46.6839	10.2	...	8.626	+29.424	0.80	46.6846	10.2	S*	18.481	-30.754	1.00	47.6566	9.6
*	0.367	+20.179	1.00	46.6840	9.6	*	8.692	+ 9.237	1.00	46.6847	9.8	...	18.509	-39.304	- 4	...	...
331	+ 0.404	-42.116	- 4	...	...	391	+ 8.829	-36.073	- 5	m	...	451	+18.911	+39.481	- 5	m	...
...	0.633	-39.748	- 5	M m	...	...	8.861	+32.497	- 3	...	...	...	19.050	- 9.055	- 5	...	...
...	0.825	-41.679	- 5	m	...	...	8.887	-16.788	0.75	...	...	...	19.116	- 9.341	- 4	...	...
...	0.970	-41.601	- 4	...	...	...	9.318	-19.851	0.90	47.6560	10.2	...	19.444	-16.070	0.90	47.6567	10.0
...	1.228	+ 5.656	- 4	M m	...	...	9.386	+35.982	- 3	...	...	...	19.501	+ 8.830	- 3	...	...
+	1.462	+34.689	- 4	...	...	401	+ 9.548	-27.394	- 4	...	...	461	+19.514	-19.625	- 3	...	...
...	1.472	+26.305	- 4	M m	...	...	9.626	+41.361	0.65	...	...	...	19.622	+31.619	1.20	46.6858	9.8
...	1.978	+18.474	- 4	M m	...	...	9.730	+56.636	- 5	m	...	...	19.670	-27.847	1.00	47.6570	9.7
...	2.212	+34.493	- 5	M m	...	...	9.922	-28.232	- 5	m	...	...	19.742	-33.931	1.00	47.6569	9.7
...	2.291	+23.837	- 3	...	...	...	10.153	-32.971	0.90	47.6561	10.2	...	19.975	+11.910	1.00	46.6859	9.8
341	+ 2.398	+19.253	- 2	...	...	...	+10.166	- 8.852	- 4	...	...	...	+20.196	-52.023	- 4	...	...
...	2.531	+37.104	- 1	...	...	...	10.777	+23.330	- 5	m	...	*	20.357	+20.258	1.00	46.6860	9.8
*	2.598	- 3.144	0.90	46.6841	10.2	S*	10.795	- 4.120	2.05	46.6848	8.4	...	20.583	-59.837	0.75	...	...
...	2.620	-30.284	0.80	47.6553	10.2	...	11.252	- 58.519	- 5	...	...	...	20.724	+32.573	- 5	m	...
...	3.030	-31.517	- 5	M m	...	...	11.267	+20.279	0.85	46.6849	10.0	...	20.811	-30.152	- 4	...	...
+	3.079	+19.699	- 5	M m	...	*	+11.296	+58.362	1.00	45.6882	9.8	...	+20.887	-23.116	- 3	...	...
3.130	+50.331	1.00	46.6842	9.8	...	...	11.578	+14.398	- 3	...	...	...	20.887	-42.886	- 4	...	...
3.434	-20.768	- 5	m	...	...	...	11.794	+40.099	- 4	...	...	...	20.975	-24.650	- 5	...	...
3.444	-46.279	- 3	...	...	...	...	11.896	+45.548	- 5	m	...	...	21.017	-24.036	- 3	...	...
3.668	-23.910	0.80	47.6554	10.2	...	...	12.081	+ 1.395	0.75	...	...	...	21.219	+ 5.842	- 5	m	...
351	+ 3.695	+44.320	- 4	M	...	*	+12.177	+29.042	1.00	46.6850	9.8	471	+21.281	+ 9.536	- 4	m	...
...	3.798	-33.785	- 1	...	...	...	12.390	-41.620	- 5	m	...	...	21.340	- 7.234	- 5	m	...
...	3.865	-39.389	- 2	...	...	...	12.464	-14.125	0.70	...	...	...	21.512	+47.995	- 5	m	...
...	4.224	-37.902	- 5	M m	...	...	12.515	- 0.385	0.90	46.6851	10.0	...	21.995	-12.592	- 5	m	...
...	4.741	+41.668	- 5	M m	...	...	12.553	+23.842	- 3	...	...	...	22.090	+23.520	- 1	...	...
+	4.806	-10.905	- 5	M m	...	...	+13.130	+16.609	0.90	46.6852	10.2	...	+22.554	- 8.777	- 5	...	...
...	4.961	-20.654	- 3	...	...	...	13.163	+48.426	- 5	m	...	...	22.711	+23.802	- 4	...	...
...	5.144	+52.996	0.95	46.6843	10.0	...	13.165	-27.030	0.95	47.6562	10.0	...	22.759	-58.231	- 5	...	...
...	5.267	-49.584	- 5	...	...	S*	13.263	+14.459	2.50	46.6853	8.2	...	22.831	-36.698	- 5	m	...
...	5.661	+44.313	- 3	...	...	*	13.442	+44.452	2.20	46.6854	8.4	...	22.858	+ 1.764	- 5	m	...

308, 309. 46°.87, two stars; 46°.88, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
481-540																	
481	+22°923	+36°225	-5	o m	...	541	+31°743	-47°337	-5	o m	...	601	+43°570	+27°446	o·90	46.6870	10·2
...	23°133	-20°958	-3	...	...	...	32°042	+3°144	-4	m	...	...	43°726	+0°509	-5	e	...
...	23°143	+57°972	-5	...	...	...	32°273	+24°241	-3	...	...	...	44°019	-4°084	o·85	46.6873	10·0
*	23°143	+40°835	2·10	46.6861	8·2	...	32°535	-20°961	0·75	...	...	...	44°033	+21°585	1·40	46.6872	8·7
...	23°526	+28°097	-5	m	...	...	32°780	-14°402	-5	m	...	...	44°084	+37°057	2·80	46.6871	7·8
...	+23°684	-3°480	-3	...	...	...	+33°001	-10°683	-4	...	...	...	44°087	+2°166	-3	...	...
...	23°887	-52°795	-3	...	...	...	33°018	-45°590	-4	m	...	...	44°510	+9°606	1·10	46.6874	9·6
...	23°897	-56°662	-2	...	...	...	33°096	-26°821	-1	...	...	...	44°578	+21°665	-4	e	...
...	23°914	-18°301	-4	...	...	...	33°662	+53°028	-1	46.6864	10·2	...	44°675	-10°963	o·70	...	...
S *	24°207	+58°530	2·60	45.6895	8·0	...	33°953	+6°396	0·70	...	...	...	45°184	-11°127	-3	...	...
491	+24°233	+32°270	-4	...	...	551	+34°298	+21°860	0·75	46.6865	10·2	611	+45°799	-0°882	-5	e	...
...	24°474	+12°979	-5	m	...	...	* 34°307	+54°233	1·10	45.6901	9·4	...	45°258	-34°911	-5	...	...
†	24°798	+54°717	-5	...	...	...	34°320	+38°072	-1	...	...	...	45°332	-14°504	-5	e	...
†	24°873	+46°014	-5	m	...	...	* 34°547	-34°179	0·90	47.6574	10·0	...	45°549	-47°768	-3	...	...
...	25°079	-47°327	-4	...	...	...	34°940	-54°586	-3	...	...	...	45°558	+22°255	-5	e	...
...	+25°101	-7°564	-1	...	...	...	+35°334	+2°657	-4	m	...	...	* +45°689	+59°274	2·40	45.6918	8·8
...	25°461	-52°278	0·70	...	...	...	35°413	+34°403	-5	m	...	...	45°826	+24°021	-3	...	...
...	25°548	+6°190	-4	m	...	...	* 35°766	+1°337	1·40	46.6866	9·4	...	45°853	-46°941	-5	e	...
...	25°795	-34°098	-4	...	...	...	35°907	-7°372	-5	m	...	...	45°942	+14°130	-1	...	...
...	25°865	-7°710	-5	m	...	...	35°928	-25°313	-5	m	...	...	45°986	-6°721	-3	...	...
501	+25°918	-16°829	-4	...	...	561	+36°047	+18°956	0·70	...	...	621	+46°323	+13°566	-5	e	...
...	26°020	-49°382	-2	...	...	...	36°096	-15°048	-5	...	...	...	46°626	-54°332	-5	...	...
...	26°070	+39°309	-5	m	...	...	36°427	-58°249	-5	m	...	...	46°678	-40°319	-4	e	...
...	26°168	-16°989	-4	...	...	...	* 36°600	-11°556	1·00	47.6575	9·6	...	46°949	-13°396	o·70	47.6584	10·2
...	26°186	+38°045	-4	m	...	...	36°815	+1°710	-4	m	...	...	47°154	-3°771	-2	...	...
...	+26°202	-5°525	-4	...	...	...	+36°988	-13°149	-5	m	...	...	+47°396	+59°535	-4	...	...
...	26°280	-45°223	-5	m	...	...	37°018	+27°908	-2	...	...	...	47°759	+47°269	-1	...	...
...	26°505	+42°461	-5	m	...	...	37°280	-19°437	-1	...	...	...	47°800	-0°459	-2	e	...
...	26°581	+25°809	-4	...	...	...	37°459	-31°199	0·70	...	...	...	47°866	-59°245	-3	...	...
...	26°660	+47°232	-4	m	...	...	* 37°759	+58°423	3·10	45.6904	7·2	...	47°956	+48°979	0·75	...	...
511	+26°716	+1°085	-3	a	...	571	+38°186	-28°427	1·00	47.6577	9·6	631	* +48°048	-3°853	1·00	46.6875	10·0
...	26°747	+6°810	-5	m	...	...	38°217	+58°706	-3	...	...	...	48°132	+46°268	-5	e	...
...	26°771	-5°668	-5	m	...	...	* 38°229	-17°277	0·95	47.6576	9·7	...	48°269	-52°692	o·75	...	...
...	26°803	-42°476	0·70	...	...	...	38°275	-28°398	-4	...	...	...	48°549	+18°869	-4	...	...
...	26°852	-45°915	-4	...	...	...	38°496	-34°275	-5	m	...	...	48°561	+57°015	-5	...	...
...	+27°026	-43°133	-4	...	...	...	+38°862	-39°884	-2	...	...	...	+48°666	+33°791	-3	...	...
...	27°046	-51°897	-4	...	...	...	38°880	-2°561	-4	...	...	...	48°855	-39°118	1·10	47.6586	9·8
...	27°432	-13°653	-4	...	...	...	38°904	+4°115	-4	m	...	...	48°974	-21°490	o·90	47.6585	10·2
...	27°542	+38°087	-5	m	...	...	38°914	-0°008	-2	f	...	...	49°022	+4°993	-3	...	...
...	27°679	+27°657	-4	m	...	...	38°920	-6°245	-3	...	...	...	49°146	-31°401	o·65	...	...
521	* +27°810	-47°996	0·95	47.6572	10·0	581	+39°186	-21°267	-3	...	...	641	+49°176	+32°916	-2	...	...
...	27°885	-33°824	-5	m	...	...	39°263	+30°895	0·65	46.6867	10·2	...	49°321	+12°290	-4	...	...
...	28°182	-21°312	-4	...	...	...	39°278	-25°942	0·65	47.6578	10·2	†	49°705	-27°518	-4	...	...
†	28°229	-55°000	-5	...	...	...	39°326	-51°101	-3	...	...	...	49°810	-7°446	o·65	47.6587	10·2
...	28°515	-5°337	-2	...	...	...	* 39°375	-23°067	1·00	47.6579	9·8	...	50°202	-48°010	-4	...	...
...	+28°560	+57°672	0·65	...	...	...	+39°390	+45°134	-5	m	...	...	+50°298	+13°467	1·20	46.6876	9·4
...	28°611	+15°040	0·65	...	...	...	39°455	+39°188	0·80	...	...	...	50°395	+4°943	o·70	46.6877	10·2
...	28°730	+40°345	-4	m	...	...	39°570	-32°456	0·75	...	...	...	50°471	-26°614	o·75	...	...
...	28°828	+6°178	0·65	...	...	...	40°306	+6°989	-5	m	...	...	50°713	+36°781	-3	...	...
...	28°847	-4°481	-5	m	...	...	40°538	+13°793	-5	m	...	...	50°721	-35°168	o·95	47.6588	10·0
531	+28°915	-17°371	-4	...	...	591	+40°637	-16°305	-3	...	...	651	+50°896	-3°662	-3	...	...
...	29°134	+19°305	-5	m	...	...	40°967	-38°427	-3	...	...	...	52°354	-6°768	-2	...	...
...	29°243	+37°427	1·00	46.6862	10·2	...	41°041	-11°609	-2	...	...	...	52°450	-23°867	o·75	47.6589	10·2
...	29°312	+54°468	-5	m	...	...	41°078	-17°089	0·75	47.6580	10·2	...	52°507	+37°553	-5	e	...
...	29°606	-3°929	-5	m	...	...	41°144	+12°025	-5	m	...	...	53°025	+11°734	-5	e	...
†	+29°761	+40°173	-5	m	...	...	* +42°254	+31°389	1·10	46.6868	9·8	*	+53°140	+17°768	1·20	46.6878	9·6
...	30°445	+0°323	0·90	46.6863	10·0	...	42°729	+43°668	-4	m	...	...	53°628	-11°816	o·65	47.6590	10·2
*	30°722	-48°844	1·00	47.6573	10·0	*	43°054	-56°171	1·00	47.6583	9·7	...	53°723	+39°379	-5	e	...
...	31°262	+36°158	-5	m	...	N * [	43°487	+44°891	2·80	46.6869	8·0	...	53°909	+40°406	-3	...	...
...	31°475	-53°820	-5	...	...	...	43°519	+37°691	-3	...	...	...	54°409	+15°310	1·00	46.6879	10·0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.		
661-670										671-680									
661	+54·808	-37·097	0·85	47·6591	10·2		671	+56·867	-35·604	-5	0		681	+58·614	+38·105	0·95	46·6884	10·0	
...	54·901	-33·924	-5	...	...		...	+57·154	+24·743	2·00	46·6883	8·5	...	59·011	+34·086	-1	...	...
*	55·801	+21·641	1·20	46·6881	9·4		...	57·304	-41·631	-5	e	...	...	59·074	-9·174	-5	...	...
...	55·906	-13·412	-5	...	...		...	57·407	-45·537	-3	...	...	...	59·194	-49·977	1·40	47·6595	9·6
...	55·925	-43·370	-5	e	...		...	57·790	-45·980	-4	...	...	...	59·294	+23·342	-5	e	...
...	+55·930	+44·360	0·80	46·6880	10·2		...	+57·862	-26·981	-5	...	...	...	+59·678	-1·663	-4	...	...
S*	56·133	+18·890	1·70	46·6882	9·0		...	58·036	-27·465	-5	...	...	...			
S*	56·359	-49·353	1·10	47·6593	9·6		...	58·071	+5·834	-5	e	...	...				
...	56·645	+5·226	-3	...	...		...	58·274	-23·890	-2	...	...	...			
...	56·769	-7·083	0·65	...	...		...	58·473	-43·784	1·10	47·6594	9·8	...					

1-40						41-80						81-120					
I	-59·632	+27·183	0·85	46·6870	10·2	41	-52·667	-21·562	0·75	47·6585	10·2	81	* -44·930	+38·322	0·90	46·6884	10·0
S*	59·413	+36·804	2·90	46·6871	7·8	...	52·596	-59·339	-3	...	...	...	44·456	+6·044	-4	E	...
*	58·989	+21·338	1·70	46·6872	8·7	*	52·448	+13·424	1·25	46·6876	9·4	...	44·420	+34·310	0·75	...	...
...	58·619	+0·265	-5	E	...	...	52·402	-52·771	0·95	...	...	S*	44·395	-49·165	1·05	47·6593	9·6
*	58·520	+59·062	2·60	45·6918	8·8	...	52·286	-7·495	0·75	47·6587	10·2	...	44·341	-35·410	-4	...	...
...	-58·430	+21·432	-5	E	...	...	-52·243	-39·184	0·90	47·6586	9·8	...	-44·104	+38·561	-5	M	...
...	58·316	+1·933	-3	...	...	...	52·191	-31·454	0·70	...	...	...	43·788	+23·587	-4	E	...
*	58·190	-4·313	0·90	46·6873	10·0	...	52·084	+4·905	0·70	46·6877	10·2	...	43·703	-41·419	-4	E	...
*	58·139	+9·385	1·10	46·6874	9·6	...	52·016	+57·483	-5	M	...	...	43·604	-26·750	-4	...	...
...	57·483	+22·058	-5	E	...	...	51·763	-27·555	-5	...	...	...	43·479	-45·326	-2	...	...
II	-57·480	-56·416	1·40	47·6583	9·7	51	-51·482	+42·891	-5	M	...	91	-43·425	-27·237	-3	...	...
...	57·309	-11·171	0·70	...	...	...	51·321	-3·680	-3	...	...	...	43·304	-23·665	0·65	...	...
...	57·263	+23·825	-2	...	...	...	51·025	+37·555	-4	E	...	...	43·088	-45·741	-3	...	...
...	57·092	-1·092	-5	E	...	...	51·011	-26·633	0·75	...	...	...	42·979	-8·923	-3	...	...
...	56·880	-7·178	-5	M	...	...	50·598	-48·037	-4	...	...	...	42·877	+14·798	0·80	46·6885	10·2
...	-56·841	+13·944	-2	...	...	...	-50·495	-35·167	0·90	47·6588	10·0	...	-42·798	+49·465	-3	A	...
...	56·838	+59·385	-4	...	...	...	49·862	+39·428	-3	E	...	...	42·679	+46·146	-3	A	...
...	56·789	-11·322	-3	...	...	*	49·763	+17·825	1·05	46·6878	9·6	...	42·609	-1·401	-2	...	...
...	56·516	-14·697	-5	E	...	...	49·759	-6·733	-2	...	...	*	42·480	-43·521	0·90	47·6594	9·8
...	56·424	+13·388	-5	E	...	...	49·705	+40·466	-3	...	...	...	42·397	+43·801	-4	...	...
21	-56·129	-6·889	-3	...	...	61	-49·669	+11·784	-4	E	...	101	-42·233	+4·992	-3	B	...
...	56·068	+47·121	0·65	...	...	...	49·123	-23·817	0·90	47·6589	10·2	...	42·095	-1·414	-4	A	...
†	55·952	-35·074	-5	...	...	...	48·609	+12·587	-5	M	...	...	42·026	-4·036	-2	...	...
...	55·923	+48·841	0·85	...	...	*	48·414	+15·397	0·90	46·6879	10·0	...	41·570	-31·345	-2	...	...
...	55·664	+46·127	-5	E	...	...	48·326	-11·735	0·75	47·6590	10·2	*	41·555	-49·707	1·20	47·6595	9·6
...	-55·572	+56·889	-5	...	...	...	-47·815	+44·471	0·80	46·6880	10·2	...	-41·424	-13·952	-1	...	...
...	55·258	-47·940	-4	...	...	...	47·471	+22·389	-5	M	...	...	41·272	+10·239	-5	M	...
†	55·057	-3·904	-3	...	...	*	47·203	+21·773	1·00	46·6881	9·4	...	41·260	-31·765	-4	A	...
†	55·004	-47·114	-5	E	...	...	47·113	-15·139	-5	M	...	...	41·232	+38·185	-5	M	...
...	54·956	-13·524	0·75	47·6584	10·2	*	46·784	+19·021	1·50	46·6882	9·0	...	41·117	-41·999	0·90	47·6596	10·2
31	-54·755	+33·685	-3	...	...	71	-46·355	-40·188	-5	M	...	111	-40·967	+9·771	0·80	46·6886	10·2
...	54·518	-0·578	-3	E	...	...	46·342	-33·790	-4	...	...	...	40·761	+35·911	-5	M	...
...	54·386	+18·767	-3	...	...	...	46·333	-36·967	0·90	47·6591	10·2	...	40·725	-7·691	-5	...	...
...	54·358	-40·458	-5	E	...	...	45·989	-13·267	-4	...	...	...	40·703	-29·303	0·90	47·6597	10·2
...	54·217	+32·833	-1	...	...	*	45·963	+24·912	2·00	46·6883	8·5	...	40·696	-0·900	-5	M	...
*	-54·159	-3·958	1·00	46·6875	10·0	...	-45·856	+5·389	-3	...	...	...	-39·925	-6·083	-5	M	...
...	53·984	-54·445	-5	...	...	...	45·450	-56·260	-5	...	...	...	39·318	+16·875	-5	M	...
...	53·473	+4·907	-3	...	...	...	45·326	-6·911	0·65	...	...	S*	39·154	+1·530	-3	...	...
...	53·397	+12·214	-3	...	...	†	45·030	-43·202	-5	E	...	...	37·840	-35·522	3·40	47·6598	7·0
...	52·791	+36·721	-3	...	...	...	44·987	-32·895	-4	A	...	...	37·808	-21·339	-3	...	...

ES measured from 1, 116, 233, 345, 490, 623.
MC " " 57, 170, 290, 416, 561, 682.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
121-180																		
121	-37°805	-39°964	0°65	o	...	...	181	-28°204	-2°532	-5	M	...	241	-18°703	-31°116	-3	o	...
...	37°731	-34°724	-3	...	...	...	...	28°055	-3°189	-4	...	...	...	18°438	-26°294	-4	...	...
...	37°576	-47°662	-5	M	...	...	...	27°743	-58°796	-5	...	...	...	18°323	+50°354	-4	...	...
...	37°566	+14°955	-1	46.6887	10°2	*	...	27°682	+43°627	1°10	46.6896	9°6	...	18°181	-20°831	-5	M	...
...	37°504	-4°317	-5	M	...	...	...	27°602	+36°568	-2	...	...	...	17°755	-51°776	0°80	47.6618	10°2
*	-37°335	+8°543	0°90	46.6888	10°0	*	...	-27°457	+6°651	0°90	46.6897	10°0	...	-17°721	+47°945	-2	...	...
...	36°857	-25°812	-5	M	...	...	...	27°296	-34°972	-2	...	...	...	17°611	-39°534	-3	...	...
*	36°844	-45°160	1°20	47.6599	9°6	...	...	27°130	-47°480	0°90	47.6610	10°2	...	17°119	-20°346	-5	...	...
...	36°646	+12°161	-5	M	...	...	...	27°028	+16°348	-2	...	...	...	16°746	-57°507	0°75	47.6619	10°2
...	36°277	+49°217	-5	M	...	...	...	26°635	+20°112	-5	M	...	...	16°514	+24°216	-4	...	...
131	-36°217	-9°961	-3	...	...	...	191	-26°475	-54°819	0°80	...	...	251	-16°307	+19°745	-5	M	...
*	36°194	-44°801	1°80	47.6600	9°0	...	...	26°429	+36°382	-4	A	...	...	16°305	+14°944	-2	...	...
*	36°176	+33°082	1°35	46.6889	9°0	...	...	26°362	+50°542	0°90	46.6898	10°0	...	16°054	-58°729	-5	...	...
...	35°932	+46°029	-4	A	...	...	...	26°251	+29°373	-2	...	...	...	16°007	-18°459	-3	...	...
...	35°718	-6°233	-4	...	...	...	...	25°943	-13°451	-4	...	...	...	15°779	+40°611	-2	46.6903	10°2
...	-35°714	-8°804	-5	M	...	...	...	-25°884	+12°353	-4	M	...	...	-15°529	+19°096	-5	...	...
...	35°547	-43°669	-4	...	...	...	...	25°629	-8°899	-5	M	...	...	15°378	+23°814	-4	M	...
...	35°516	-51°541	-5	M	...	...	...	25°452	+20°276	-5	...	...	...	15°332	-24°330	0°70	47.6620	10°2
...	35°374	+33°956	-4	...	...	...	...	25°448	-14°800	-5	...	...	...	15°175	-40°342	-5	...	...
...	35°244	-58°011	0°95	47.6601	10°0	...	...	25°230	-13°732	-3	...	...	...	14°963	-45°643	-4	...	...
141	-35°178	+54°114	-2	...	...	S *	201	-24°757	+51°148	3°40	46.6899	7°0	...	-14°928	-12°717	-5	M	...
...	34°970	+21°924	-5	...	...	...	...	24°714	+11°701	-4	M	...	...	14°884	-29°290	-3	...	...
S †	34°970	+2°942	1°85	46.6890	8°4	...	...	24°425	-28°672	-5	...	...	...	14°708	-21°499	-5	M	...
...	34°775	+50°222	-5	M	...	*	...	24°220	+19°898	1°00	46.6900	9°6	...	14°498	+7°545	-3	...	...
...	33°628	-15°511	-3	...	...	...	...	23°884	-26°852	0°80	47.6611	10°2	...	14°238	-11°631	-3	...	...
...	-33°412	-44°627	0°80	47.6604	10°2	...	...	-23°690	+41°342	-5	M	...	...	-14°087	-2°908	-4	...	...
...	33°401	-44°249	-4	...	...	...	...	23°618	-29°103	0°80	47.6612	10°2	...	14°079	+16°983	0°65	46.6904	10°4
...	33°310	-49°132	1°00	47.6602	10°0	...	...	23°452	+34°506	-3	...	...	...	14°028	+48°119	-2	46.6905	10°4
*	33°243	+48°147	1°20	46.6891	9°6	*	...	23°347	-6°958	1°00	47.6613	9°6	...	13°761	-4°133	-1	...	...
...	33°092	+35°908	-4	A	...	...	...	23°254	+43°226	-4	...	...	...	13°301	-5°873	-4	...	...
151	* -33°031	+57°890	1°10	45.6936	9°8	...	211	-23°011	+39°289	-4	A	...	...	-13°279	+5°201	-2	...	...
...	32°895	-39°495	-5	M	...	...	...	22°920	-12°100	-2	...	...	...	13°245	+40°681	-5	...	...
...	32°792	-47°136	-5	M	...	...	...	22°797	-14°364	-4	...	...	...	13°227	+50°297	0°95	46.6906	9°8
*	32°753	+59°120	1°60	45.6938	9°2	...	...	22°596	-54°708	-5	...	...	...	13°099	-53°940	0°85	47.6621	10°2
...	32°528	+53°531	-3	...	...	...	...	22°577	+35°452	-5	M	...	...	12°870	+12°269	-5	M	...
*	-32°425	+41°878	1°00	46.6892	9°8	...	...	-22°502	+48°783	0°85	46.6901	10°2	...	-12°773	-55°103	-3	...	...
*	32°367	+36°404	1°30	46.6893	9°2	...	...	22°491	-44°712	-4	...	...	...	12°432	+5°478	-3	...	...
...	32°300	+20°250	-5	M	...	...	...	22°119	-47°108	-5	M	...	...	12°385	+24°231	-4	...	...
...	32°216	-48°844	0°65	...	...	...	...	21°943	-51°572	-5	M	...	...	12°297	-58°643	-5	M	...
...	32°104	-44°888	-5	M	...	...	...	21°914	+55°933	-5	M	...	...	11°904	-29°849	-2	...	...
161	-32°072	+21°545	-5	M	...	...	221	-21°337	+45°866	-4	A	...	...	-11°771	+15°158	-4	...	...
*	31°900	+22°142	1°20	46.6894	9°4	...	...	21°158	-9°279	-5	...	...	...	11°613	-41°723	-5	...	...
...	31°866	-56°072	0°65	...	...	...	...	21°071	+28°515	-2	...	...	...	11°316	+18°042	-3	...	...
*	31°462	-57°900	1°70	47.6605	9°4	...	...	21°020	-6°927	-4	...	...	...	11°096	+16°107	-2	46.6907	10°4
†	31°349	-49°974	0°70	47.6606	10°2	...	...	20°968	+31°220	-4	A	...	...	10°940	-14°466	0°65	47.6623	10°2
...	-30°891	-3°523	-5	M	...	*	...	-20°897	-10°802	1°00	47.6614	9°6	...	-10°654	-45°479	-1	...	...
†	30°785	-20°078	0°70	47.6607	10°2	...	...	20°823	+18°418	-4	M	...	...	10°646	-36°532	-5	...	...
...	30°547	-12°715	-4	...	...	...	...	20°727	-27°396	0°70	...	...	*	10°586	+16°976	0°90	46.6908	9°8
...	30°190	-8°008	-4	...	...	...	...	20°609	-18°111	-5	M	...	...	10°184	-51°426	-3	...	...
*	29°926	-19°922	0°95	47.6608	10°0	*	...	20°532	-38°514	1°00	47.6615	9°7	...	10°022	-38°289	0°90	47.6624	10°0
171	-29°749	-36°620	-4	...	...	...	231	-20°391	+33°049	-2	...	...	*	-9°907	+23°112	1°00	46.6909	9°6
...	29°500	-7°045	-1	...	...	...	...	20°331	-52°238	0°90	47.6616	10°0	...	9°840	+3°801	-3	A	...
...	29°456	+31°371	-1	...	...	...	...	19°915	-47°106	0°65	...	...	...	9°812	-59°068	-1	47.6625	10°2
...	29°408	-22°920	-3	...	...	...	...	19°581	-47°963	-5	M	...	...	9°333	+42°195	-1	46.6910	10°4
...	29°086	-46°691	-4	...	...	...	...	19°537	-16°606	1°30	47.6617	9°0	...	9°324	+49°231	0°75	46.6911	10°2
*	-28°963	+45°945	1°40	46.6895	9°0	...	...	-19°491	-57°848	-4	...	...	...	-9°264	+59°400	-3	...	...
*	28°824	-58°022	1°60	47.6609	8°9	...	...	19°485	-42°669	-4	...	...	...	9°123	+24°379	-4	A	...
...	28°813	+1°567	-1	...	...	...	...	19°270	+46°474	-3	...	...	*	8°911	-37°821	1°00	47.6626	9°6
...	28°400	-22°938	-3	...	...	...	...	18°984	+0°678	-1	46.6902	10°2	*	8°789	-2°279	1°40	46.6912	9°2
...	28°378	+38°323	-4	A	...	...	...	18°971	-33°703	-5	...	...	...	8°689	+14°885	-4	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.			
301-360																				
301	- 8.632	- 14.502	1.00	47.6627	10.0	361	*	+ 1.858	+ 9.273	2.60	46.6926	7.7	421	+ 10.861	- 42.205	0.85	47.6644	10.2		
...	8.352	- 5.843	- 4	A m	...	...	2.063	- 4.019	- 5	...	...	...	...	11.020	- 35.410	- 4	...	...
...	8.000	+ 58.451	0.75	45.6958	10.4	...	2.167	- 37.161	- 5	M m	...	...	...	11.133	+ 24.952	- 5	...	...
...	7.989	+ 52.032	- 4	M	...	...	2.269	+ 9.389	- 5	M	...	*	...	11.216	+ 12.286	0.90	46.6940	9.8
...	7.693	- 21.055	0.85	47.6628	10.2	...	2.339	+ 25.634	- 1	...	...	...	...	11.442	+ 15.998	- 3	...	...
...	- 7.330	+ 28.568	0.65	46.6913	10.4	...	+ 2.732	+ 16.862	- 3	...	...	...	...	+ 11.546	+ 47.250	- 3	...	...
*	7.097	- 5.600	0.90	46.6914	9.8	*	2.834	+ 2.497	10.50	46.6927	3.5	...	...	11.650	- 11.402	- 4	...	...
...	7.070	- 43.567	- 2	...	...	...	3.216	- 43.591	- 4	...	...	*	...	11.684	- 27.870	1.00	47.6645	9.8
...	6.903	+ 26.169	- 5	M m	...	...	3.462	+ 8.720	- 5	M	...	...	...	11.969	- 16.864	- 5	m	...
...	6.648	- 31.506	- 4	...	...	...	3.759	+ 8.973	0.80	46.6928	9.8	...	...	12.038	+ 8.377	- 3	...	...
311	- 6.511	- 23.563	- 3	371	*	+ 3.815	- 21.592	- 5	M	431	+ 12.110	+ 58.127	0.70	45.6971	10.2	
*	6.397	+ 22.191	1.00	46.6915	9.7	...	3.911	+ 7.664	- 5	M	...	...	...	12.115	- 19.196	- 3	...	...
...	6.256	- 42.985	- 3	...	...	...	4.083	- 37.537	0.80	47.6638	10.0	...	...	12.409	+ 1.463	0.70	46.6941	10.0
...	6.240	- 53.995	- 2	...	...	...	4.203	+ 30.544	- 4	M	...	†	...	12.474	+ 39.676	- 3	...	...
...	6.154	- 23.192	- 1	47.6629	10.2	...	4.371	- 0.588	- 3	46.6929	10.2	...	...	12.600	- 57.026	- 1	...	...
...	- 6.063	+ 0.241	- 4	M m	...	...	+ 4.405	- 1.691	- 5	M m	...	...	...	+ 12.985	+ 19.906	- 5	...	...
...	5.794	- 23.235	- 2	...	...	...	4.717	+ 16.003	0.70	46.6930	10.2	...	...	13.032	+ 22.681	- 1	46.6942	10.2
†	5.761	- 35.127	- 5	...	...	...	4.822	- 36.141	- 3	...	...	...	...	13.104	- 37.210	- 5	...	...
...	5.513	- 0.401	- 5	M m	...	...	4.924	+ 36.476	- 2	46.6932	10.2	...	...	13.399	- 1.683	- 3	...	...
...	5.104	- 57.404	- 1	...	...	...	4.955	- 25.249	- 5	M m	...	...	...	13.422	- 5.426	- 2	46.6943	10.4
321	*	- 5.055	- 16.062	1.40	47.6630	9.0	381	*	+ 4.986	+ 8.930	1.10	46.6931	9.4	441	*	+ 13.736	- 8.387	0.95	47.6646	9.7
...	4.360	- 9.341	0.75	47.6631	10.2	...	5.071	- 15.494	- 4	...	...	...	...	13.850	- 52.529	- 4	...	...
...	4.271	+ 24.351	- 5	M	...	...	5.133	- 13.826	- 5	M m	...	...	...	14.043	+ 59.499	0.90	45.6975	10.0
...	4.001	- 51.100	- 3	...	...	*	5.244	- 34.788	1.15	47.6640	9.4	...	...	14.050	+ 53.255	- 4	...	...
...	3.738	- 29.649	- 3	...	...	...	5.340	- 8.963	- 1	47.6641	10.4	...	...	14.112	+ 13.556	- 3	...	...
...	- 3.707	- 46.914	0.90	47.6632	10.2	...	+ 5.402	- 35.436	- 4	...	...	...	...	+ 14.374	- 31.268	- 1	...	...
...	3.482	- 41.313	- 2	...	...	...	5.454	+ 43.518	- 5	M	...	...	...	14.455	+ 26.210	- 3	...	...
...	3.331	+ 31.359	- 4	...	...	...	5.871	- 17.078	- 5	...	...	...	...	14.459	+ 22.008	- 2	...	...
...	3.293	- 46.744	- 4	...	...	...	5.955	- 45.592	- 4	...	...	...	...	14.613	+ 18.978	- 3	...	...
...	3.105	+ 4.420	- 1	46.6916	10.2	...	6.012	- 4.783	0.75	46.6933	10.0	...	...	14.822	- 58.251	- 5	B	...
331	- 3.055	- 57.534	- 4	391	*	+ 6.033	- 24.638	- 5	451	[+ 14.831	- 58.318	- 4	
...	3.013	+ 53.347	0.80	46.6917	10.0	...	6.191	+ 40.349	- 5	M	...	...	...	15.156	- 37.152	- 4	...	...
...	2.934	+ 37.862	0.90	46.6918	9.8	...	6.227	+ 27.671	- 5	M	...	...	...	15.197	+ 20.949	0.85	46.6945	10.0
...	2.329	- 4.186	- 4	A m	...	...	6.423	- 36.868	0.70	47.6642	10.2	...	...	15.313	+ 38.652	0.80	46.6944	9.8
...	2.323	- 53.217	- 4	...	...	...	6.477	+ 1.133	- 5	M	...	...	...	15.462	- 19.964	- 4	...	...
...	- 2.265	- 25.198	0.65	47.6634	10.2	...	+ 6.495	+ 9.120	0.85	46.6934	9.8	...	...	+ 15.497	+ 47.488	- 5	...	...
...	2.069	- 0.762	- 4	...	...	...	6.546	- 35.167	- 5	M	...	...	...	15.582	+ 56.659	- 2	45.6978	10.4
*	1.957	- 0.933	2.00	46.6919	8.0	...	6.685	- 5.936	0.90	46.6935	9.7	...	...	15.626	+ 32.963	- 1	46.6946	10.4
...	1.883	- 9.516	0.90	47.6635	10.2	...	7.151	+ 53.065	- 5	M	...	...	...	15.759	- 6.714	- 3	...	...
...	1.637	- 33.385	- 2	...	...	...	7.212	- 1.143	0.85	46.6936	9.8	...	...	15.794	+ 29.403	- 5	...	...
341	- 1.214	+ 16.034	- 2	46.6920	10.4	401	*	+ 7.417	- 39.649	- 5	M m	461	+ 15.897	- 55.590	- 3	
...	0.543	+ 7.963	- 4	M	...	...	7.603	- 8.821	- 1	47.6643	10.4	...	...	15.960	+ 13.135	- 2	46.6947	10.4
*	0.477	+ 25.327	1.00	46.6921	9.8	...	7.716	- 59.924	- 5	...	...	*	...	15.962	- 48.003	1.30	47.6648	9.3
...	- 0.336	- 9.567	- 5	M m	...	...	7.838	- 17.707	- 4	M	...	...	...	16.032	+ 2.874	- 3	...	...
...	+ 0.015	+ 11.995	- 5	M m	...	*	7.856	+ 6.228	1.15	46.6937	9.3	...	...	16.070	+ 21.831	- 4	...	...
*	+ 0.034	- 31.466	1.80	47.6636	8.4	...	+ 7.877	+ 46.895	- 3	...	...	S*	...	+ 16.109	- 8.665	3.70	47.6649	7.4
...	0.172	+ 21.066	- 2	...	...	...	7.931	+ 10.430	0.75	46.6938	10.0	...	...	16.499	- 15.811	- 5	m	...
...	0.212	- 8.170	- 5	...	...	...	8.157	+ 36.526	- 2	...	...	...	...	16.577	- 15.893	- 3	...	...
...	0.261	+ 36.309	0.70	46.6922	10.4	...	8.723	+ 26.704	- 3	...	...	...	...	16.696	- 58.683	- 5	m	...
...	0.468	+ 51.524	- 4	...	...	...	8.840	- 41.474	- 4	...	...	...	...	16.713	- 53.339	- 5	...	...
351	+	0.507	+ 17.837	- 2	46.6923	10.4	411	*	+ 9.028	+ 20.415	- 3	471	+ 17.084	+ 35.043	- 5
...	0.762	- 1.897	- 5	M m	...	...	9.137	- 4.124	- 5	m	...	...	...	17.648	+ 45.045	- 4	...	...
...	1.004	- 37.111	- 4	...	...	...	9.296	- 53.694	- 5	...	...	...	...	17.982	- 17.600	- 5	...	...
...	1.322	+ 1.729	- 5	M m	...	*	9.565	+ 40.527	1.80	46.6939	8.7	*	...	18.022	- 39.376	1.40	47.6650	9.2		
...	1.349	- 57.378	- 4	...	...	...	9.671	+ 0.785	- 5	m	...	...	...	18.302	+ 46.004	- 3	46.6948	10.4
...	+ 1.468	- 39.158	0.80	47.6637	10.2	...	+ 10.017	+ 37.498	- 3	...	...	...	...	+ 18.307	+ 13.540	- 2	...	...
*	1.482	+ 38.944	1.05	46.6924	9.4	...	10.422	- 27.233	- 5	m	...	...	...	18.491	+ 42.060	- 3	...	...
...	1.581	+ 44.004	0.95	46.6925	9.8	...	10.433	- 57.229	- 5	...	...	...	...	18.649	- 29.429	- 4	...	...
†	1.587	+ 59.619	- 3	M m	...	...	10.459	- 25.340	- 3	...	...	*	...	18.661	+ 19.175	1.00	46.6949	9.6
...	1.730	- 41.763	- 5	M m	...	...	10.644	- 15.685	- 3	...	...	...	...	18.715	+ 10.535	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
481-540																	
48 ¹						54 ¹						60 ¹					
...	+18·910	-54·169	-5	°	m	...	+26·538	-18·394	0·65	47·6657	10·2	...	+36·267	-45·079	-3	°	...
...	18·913	+22·996	0·85	46·6950	9·9	...	26·545	+15·248	-5	...	...	...	36·508	-19·644	-5	...	...
*	18·921	+35·837	1·00	46·6951	9·6	*	27·154	+26·589	0·95	46·6964	9·7	...	36·949	+55·607	-3	...	...
...	18·948	-37·269	-4	...	...	*	27·216	+39·230	0·90	46·6963	9·8	...	37·480	-28·706	0·75	47·6670	10·0
*	19·133	+48·214	1·60	46·6952	8·7	...	27·283	+3·034	0·85	46·6965	9·9	...	37·508	-12·C74	0·70	47·6669	10·4
*	+19·267	-30·625	1·00	47·6651	9·8	...	+27·626	+50·433	-5	...	...	+37·623	+40·613	-3	46·6975	10·4	
...	19·378	-54·201	0·80	47·6652	10·2	...	27·882	-23·280	-5	...	...	37·661	-22·954	-4	...	...
...	19·547	+21·284	0·80	46·6953	9·9	...	27·996	-3·251	-5	...	...	37·738	-29·597	-1	...	...
...	19·579	-51·901	-2	...	...	...	28·125	-57·440	0·90	47·6659	10·0	...	37·978	-22·643	-4	...	...
†	19·759	-52·713	-5	...	...	...	28·240	+18·565	-3	46·6966	10·4	...	38·008	-15·053	-5	...	...
49 ¹						55 ¹						61 ¹					
...	+20·000	-21·153	-5	m	...	...	+28·256	-49·604	-2	47·6658	10·4	...	+38·215	-44·345	-5	m	...
...	20·873	+8·207	-4	...	...	...	28·293	-17·149	-5	m	...	*	38·283	-4·936	1·00	46·6977	9·7
...	21·129	-21·561	-3	...	...	...	28·385	-0·985	-5	...	...	*	38·314	+19·017	1·30	46·6976	8·9
...	21·428	+30·974	0·70	46·6954	9·9	...	28·438	+13·557	-2	46·6967	10·4	...	38·324	-17·806	-4	...	...
...	21·585	-16·405	-5	...	...	...	28·716	-33·672	-5	...	...	...	38·339	+28·927	-4	...	...
†	+21·687	-45·037	-3	...	...	...	+28·957	-22·401	-4	...	...	...	+38·624	-47·545	0·90	47·6671	9·8
...	21·778	-48·889	-4	...	...	...	29·384	+36·630	-3	...	...	...	38·716	-59·429	-1	47·6673	10·2
...	21·823	+2·628	-4	...	...	...	29·455	+0·990	-5	...	...	...	38·864	-1·590	-4	...	...
...	21·889	+57·044	-1	45·6984	10·4	...	29·579	+18·950	-4	...	...	...	39·412	+31·760	-5	...	...
...	21·940	-53·145	-3	...	...	...	29·667	-49·095	1·05	47·6660	9·6	...	39·428	+40·879	0·95	46·6978	9·8
50 ¹						56 ¹						62 ¹					
...	+21·989	+2·103	-2	46·6956	10·2	...	+30·217	+20·868	-3	...	...	...	+39·448	-36·042	-5	...	...
...	22·078	+24·895	0·70	46·6955	10·0	...	30·260	-38·953	-1	...	...	...	39·576	+18·563	-5	...	...
...	22·263	+17·906	-5	...	...	...	30·381	+14·453	-5	...	...	*	39·967	-16·587	1·70	47·6675	8·9
...	22·282	-46·987	-4	...	...	...	30·514	-11·563	0·90	47·6661	9·8	...	39·983	-36·562	-5	...	...
...	22·482	-26·280	0·65	47·6653	10·0	...	30·517	-57·522	-4	...	...	...	40·077	+13·302	-5	...	...
...	+22·530	-5·384	-4	...	...	...	+30·596	+14·063	-4	...	...	...	+40·393	-50·870	0·65	...	...
...	22·584	+37·027	-4	...	...	...	30·851	-24·470	-1	...	...	...	40·434	+36·520	-5	...	...
...	22·718	-35·943	-4	...	...	...	31·063	-55·339	0·80	47·6663	10·2	...	40·720	+46·084	-5	...	...
...	22·755	+53·353	-5	...	...	S*	31·078	-50·254	1·25	47·6662	9·2	...	40·798	-44·896	0·70	47·6676	10·4
...	23·314	-36·835	-1	47·6654	10·4	...	31·250	-44·319	-1	...	...	...	41·250	-52·223	-5	...	...
51 ¹						57 ¹						63 ¹					
...	+23·331	-27·183	-5	...	...	...	+31·334	+54·590	-3	...	...	†	+41·469	-60·013	-4	...	...
S*	23·439	-41·076	1·60	47·6655	8·7	...	31·384	-6·137	-5	m	...	...	41·533	+26·242	-3	...	...
...	23·526	+4·374	-3	...	...	...	32·336	+59·123	-5	...	...	...	41·533	-9·926	0·65	47·6677	10·2
...	23·536	+36·543	-3	...	...	*	32·465	+6·280	1·00	46·6968	9·7	...	41·662	-35·428	-4	...	...
...	23·580	+56·747	-1	45·6988	10·4	...	32·539	-55·775	-5	m	...	...	42·070	-26·305	-5	m	...
†	+23·595	+19·785	-5	...	...	...	+32·559	-33·850	-5	m	...	...	+42·540	-40·901	-4	a	...
...	23·604	+32·469	-4	...	...	...	32·862	+18·433	0·90	46·6969	9·8	S*	42·654	+36·907	2·00	46·6979	8·4
...	23·617	-3·490	-5	...	...	...	32·961	-52·115	-4	...	...	...	42·801	-10·579	-5	m	...
...	23·811	+11·613	-2	46·6957	10·4	...	33·272	+13·196	-4	...	...	...	42·826	+14·026	-5	...	...
†	23·974	+44·706	-3	...	...	*	33·273	+21·533	1·00	46·6970	9·6	...	42·858	+33·274	-4	...	...
52 ¹						58 ¹						64 ¹					
...	+24·111	+1·962	-5	m	...	...	+33·723	-15·022	-2	47·6664	10·4	...	+42·926	-37·881	-3	...	...
...	24·265	+9·924	-5	m	...	†	33·930	-30·077	-3	47·6665	10·4	...	43·011	+23·323	0·75	46·6980	10·2
...	24·308	+8·528	-3	...	...	*	34·122	-10·493	1·00	47·6666	9·7	...	43·231	-31·022	-4	...	...
...	24·312	+33·281	-3	...	...	...	34·688	+49·421	-5	...	...	...	43·412	-17·115	-2	47·6678	10·4
...	24·563	+19·618	-5	...	...	†	34·767	-15·685	-4	...	...	...	43·420	+23·704	-5	...	...
...	+24·827	-1·586	-1	46·6959	10·4	...	+34·804	-59·865	-1	47·6667	10·4	...	+43·509	-36·944	-5	...	...
...	24·962	-27·292	-5	...	...	...	34·909	+2·208	-3	...	...	...	43·800	-45·593	-4	...	...
...	24·992	+18·076	-1	46·6958	10·2	*	35·032	+26·833	1·30	46·6971	9·3	...	43·938	+23·128	0·85	46·6981	10·0
...	25·050	-53·029	-4	...	...	...	35·042	+13·960	-4	...	...	...	44·036	-8·466	0·70	47·6679	10·0
...	25·398	+5·364	0·65	46·6960	10·2	...	35·061	+5·247	0·90	46·6973	9·8	...	44·089	-28·459	0·65	47·6680	10·4
53 ¹						59 ¹						65 ¹					
...	+25·434	+41·358	-5	...	...	*	+35·088	+1·423	0·90	46·6972	9·9	...	+44·273	+11·482	-3	...	...
...	25·439	+0·277	-5	m	...	...	35·118	+54·266	-5	...	...	†	44·371	-55·075	0·90	47·6681	10·0
...	25·527	-56·934	0·75	47·6656	10·4	...	35·442	+13·600	-4	...	...	...	44·529	-22·441	-4	...	...
...	25·603	-31·878	-5	...	...	*	35·444	-24·334	1·00	47·6668	9·6	†	44·616	+49·619	-3	...	...
*	25·813	+10·115	1·10	46·6961	9·4	S*	35·496	+8·170	1·30	46·6974	9·1	...	44·818	-47·247	-3	...	...
...	+25·938	+45·773	0·70	46·6962	10·0	...	+35·588	+50·463	-3	...	...	...	+44·903	+24·942	-3	...	...
...	26·127	+20·613	-4	...	...	...	35·642	+47·963	-5	...	...	...	45·353	-21·891	-4	...	...
†	26·203	-0·231	-5	m	...	...	35·701	+25·470	-5	...	...	...	45·385	-29·198	-5	m	...
...	26·204	+24·968	-5	...	...	...	35·749	-12·897	-5	...	...	*	45·546	+37·917	1·50	46·6982	9·1
...	26·526	+23·607	-3	...	...	...	35·918	-30·178	-5	...	...	...	46·047	-28·803	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
661-690																	
661	+46°282	-47°180	-5	°	...	...	+51°087	-10°846	0°90	47.6685	9°8	721	+55°400	-14°911	-5	°	...
...	46°444	+37°236	-5	...	...	...	51°139	+25°827	-5	...	...	*	55°434	+3°654	1°40	46.6991	9°2
...	46°749	+29°307	-4	...	...	...	51°151	-41°295	-4	...	...	...	56°016	-6°375	-5	e	...
...	46°807	-5°687	-1	46.6983	10°4	...	51°203	-19°105	-5	e	...	...	56°257	-53°404	1°00	47.6692	9°8
...	47°054	-19°408	-3	...	...	...	51°332	-27°963	-3	...	...	...	56°387	+10°968	-5	...	...
...	+47°137	-52°913	-4	...	...	...	+51°349	+25°615	-5	...	...	...	+56°432	-19°952	-5	...	...
...	47°162	-55°134	1°00	47.6682	9°9	...	51°438	-22°827	0°90	47.6686	10°0	...	56°753	-15°094	-3	...	...
...	47°480	+13°331	-4	...	...	*	51°702	+52°182	1°10	46.6988	9°7	...	57°134	+22°441	-3	...	...
...	47°485	+47°315	-4	...	...	...	52°042	+16°660	-3	...	...	*	57°248	+0°453	1°20	46.6993	9°2
...	47°562	-33°440	-1	47.6683	10°4	...	52°093	+54°940	-5	...	...	...	57°427	+48°481	1°00	46.6992	9°7
671	+47°564	-25°414	-4	...	...	701	+52°192	-56°471	-5	...	...	731	+57°611	-44°732	-4	...	...
...	47°600	-26°512	-5	...	...	...	52°234	-9°466	-3	...	...	...	57°676	+26°770	-2	...	...
*	47°678	+25°855	0°95	46.6984	9°8	...	52°606	+30°648	-5	...	...	...	57°903	-15°326	1°30	47.6693	9°2
...	47°689	-11°324	-5	e	...	...	52°647	+35°587	-1	46.6989	10°4	N*	58°001	-30°972	-4	...	...
...	47°827	+40°394	-1	...	...	...	52°753	+6°466	-5	...	...	[	58°206	+23°659	1°20	46.6995	9°6
...	+48°021	-33°412	-4	...	...	...	+52°806	-18°876	-2	...	...	*	+58°230	+38°831	1°20	46.6994	9°6
...	48°156	-7°872	-1	47.6684	10°4	...	52°942	+28°772	-3	...	...	*	58°286	-5°367	1°40	46.6996	9°2
...	48°204	-18°044	-5	...	...	...	52°977	-42°230	-2	47.6688	10°4	...	58°360	-44°235	-3	...	...
S*	49°022	-1°516	4°20	46.6986	6°7	...	53°015	-52°218	-5	...	...	...	58°452	-38°972	-5	...	...
...	49°119	+25°145	-5	...	...	...	53°302	-44°325	0°85	47.6689	10°0	*	58°475	+6°635	1°00	46.6997	9°3
681	*+49°166	+24°124	0°95	46.6985	9°8	711	+53°384	+14°886	-5	...	...	741	+58°478	+1°481	-5	...	...
†	49°712	-52°975	-5	...	...	...	53°430	-12°979	-5	e	...	...	58°691	-35°410	0°85	47.6696	10°0
...	49°898	+42°584	-4	...	...	...	53°572	+35°486	-4	...	...	...	58°699	-36°648	-3	...	...
...	49°991	-38°266	-3	...	...	...	53°654	-34°022	-1	...	...	...	58°740	-11°809	-5	...	...
...	50°084	+25°951	-3	...	...	...	53°926	+8°131	-5	...	...	*	58°888	+21°932	1°10	46.6998	9°4
...	+50°256	+9°590	-5	...	...	...	+54°173	-14°252	0°90	47.6690	10°0	...	+58°973	+0°695	-1	46.6999	10°2
...	50°309	+48°441	-4	...	...	...	54°311	+58°114	-5	...	...	...	59°138	+8°071	0°75	46.7000	10°0
...	50°848	+6°037	-4	...	...	...	54°322	-55°205	-5	...	...	...	59°388	-25°602	-3	...	...
...	50°950	+38°097	-2	...	...	...	54°524	-30°584	0°85	47.6691	10°2	...	59°457	+54°449	-1	45.7016	10°0
...	51°009	+13°468	0°65	46.6987	10°4	...	54°991	+7°574	0°90	46.6990	9°8	...					

735. Mass. 46°·89, two stars; 47°·89, mass.

1-20					21-40					41-60							
I	-60°073	-45°201	-3	47.6676	10°4	21	-55°785	+40°264	-2	°	...	41	-52°587	+38°060	-3	°	...
†	60°055	+23°054	-1	46.6980	10°2	...	55°468	+25°732	0°95	46.6984	9°8	...	52°348	-9°853	-5	...	...
...	59°294	+49°393	-4	...	...	...	55°364	-28°957	-5	...	...	*	52°292	+52°173	1°10	46.6988	9°7
...	59°128	+22°898	0°75	46.6981	10°0	...	55°331	-5°823	0°70	46.6983	10°4	...	52°013	+25°808	-5	...	...
...	58°419	+11°261	-1	...	...	...	55°258	+13°209	-3	...	...	...	51°789	+25°600	-4	...	...
...	-58°377	-17°355	-1	47.6678	10°4	...	-54°663	-19°537	-3	...	...	...	-51°744	+13°458	0°70	46.6987	10°4
†	58°220	+24°722	-3	...	...	...	54°278	-11°424	-5	E	...	...	51°111	-38°273	-4	...	...
...	58°183	-38°121	-4	...	...	...	53°946	-25°522	-5	...	...	...	50°923	-52°985	-5	...	...
...	58°109	-31°260	-3	...	...	...	53°927	+24°052	0°90	46.6985	9°8	...	50°883	-10°840	0°90	47.6685	9°8
...	58°015	-8°692	0°85	47.6679	10°0	...	53°922	-7°961	-1	47.6684	10°4	...	50°818	+16°679	-5	...	...
II	*-57°974	+37°714	1°40	46.6982	9°1	31	-53°875	-26°598	-4	...	...	51	-50°813	+35°615	0°70	46.6989	10°4
...	57°323	-28°665	-1	47.6680	10°4	...	53°763	+42°528	-4	...	...	...	50°687	+30°678	-4	...	...
...	57°072	-22°640	-4	...	...	...	53°686	-33°534	-1	47.6683	10°4	...	50°518	-19°097	-5	E	...
...	57°064	-45°810	-5	...	...	...	53°561	+48°392	-4	...	...	...	50°303	+28°810	-3	...	...
...	57°058	+37°077	-5	...	...	...	53°540	-18°123	-5	...	...	...	50°146	-22°805	0°85	47.6686	10°0
...	-56°499	-29°151	-4	...	...	...	-53°501	-53°018	-5	...	...	...	-50°112	-27°942	-4	...	...
...	56°329	-47°170	-4	...	...	...	53°405	-55°238	0°90	47.6682	9°9	...	49°912	+35°559	-5	...	...
...	56°272	-22°069	-5	...	...	S*	53°247	-1°577	4°00	46.6986	6°7	...	49°867	+58°219	-5	...	...
...	56°189	-55°245	-1	47.6681	10°0	...	53°236	-33°504	-4	...	...	...	49°855	-41°275	-5	...	...
...	55°997	-47°435	-4	...	...	...	53°065	+25°897	-2	...	...	...	49°801	-9°424	-4	...	...

MC measured from 1, 123, 236, 347, 477, 598.
ES " " 55, 171, 278, 408, 529, 647.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
61-120																			
61	-49° 783	+ 6° 512	- 5	.	.	...	-40° 408	-11° 090	- 3	.	.	...	181	-27° 588	-18° 682	0° 90	47° 6714	9° 9
...	48° 910	-18° 808	- 3	...	...	...	40° 361	+14° 867	- 5	...	...	...	†	27° 522	+24° 736	- 4	...	...
...	48° 668	+ 8° 221	- 5	...	...	*	40° 081	+51° 432	1° 20	46.7004	9° 6	...	...	27° 345	-21° 589	- 5	A	...
...	48° 571	- 8° 060	- 5	A	...	...	39° 480	+23° 795	0° 70	46.7005	10° 0	...	...	27° 154	-53° 743	- 5	...	...
...	48° 496	-12° 901	- 5	E	...	...	39° 356	+ 8° 948	- 5	...	...	...	...	26° 838	+31° 221	- 5	...	...
...	-48° 336	-56° 402	- 5	...	...	*	-38° 975	-13° 659	0° 90	46.6699	9° 8	...	...	-26° 824	+28° 372	0° 90	46.7017	9° 8
...	48° 186	- 4° 916	- 5	A	...	...	38° 972	+38° 253	- 3	...	...	...	...	26° 653	+40° 999	- 3	...	...
...	48° 013	-42° 151	- 3	47.6688	10° 4	...	38° 903	-43° 602	- 4	...	...	...	...	26° 650	+23° 002	- 4	...	...
...	47° 698	-14° 143	0° 75	47.6690	10° 0	*	38° 807	-58° 617	1° 50	47.6698	9° 3	...	...	26° 482	+10° 761	0° 65	46.7018	10° 0
...	47° 683	- 4° 205	- 5	M	...	...	38° 539	+26° 217	0° 90	46.7006	10° 0	...	...	26° 480	+12° 738	- 5	...	...
71	121-180																		
...	-47° 664	-52° 131	- 5	...	...	...	-37° 900	+50° 038	- 4	...	...	...	...	-26° 433	+22° 281	- 5	...	...
...	47° 614	-44° 231	0° 65	47.6689	10° 0	*	37° 785	-57° 623	1° 80	47.6700	9° 0	...	...	26° 259	-38° 515	- 5	...	...
...	47° 603	-33° 925	- 3	...	...	S *	37° 174	+ 9° 183	2° 00	46.7007	8° 4	...	...	25° 915	+47° 843	- 5	...	...
...	47° 568	+ 7° 697	0° 85	46.6990	9° 8	*	37° 079	-43° 735	1° 20	47.6701	9° 4	...	...	25° 505	-39° 475	0° 80	47.6715	10° 0
...	47° 087	-12° 055	- 5	...	...	*	36° 907	+50° 549	1° 00	46.7008	9° 7	...	...	25° 333	-26° 746	- 5	A	...
*	-46° 997	+ 3° 782	1° 25	46.6991	9° 2	S *	-36° 500	+33° 092	1° 00	46.7009	9° 4	...	...	-25° 278	+35° 131	- 1	46.7019	10° 2
...	46° 838	-30° 450	0° 70	47.6691	10° 2	...	36° 464	+41° 623	- 4	...	...	...	...	24° 607	+32° 899	- 5	...	...
...	46° 456	-14° 769	- 5	...	...	...	36° 218	-18° 021	0° 85	47.6702	10° 0	...	...	24° 599	+15° 495	- 3	...	...
...	46° 443	+48° 649	1° 05	46.6992	9° 7	...	36° 092	+53° 029	- 5	...	...	...	...	24° 464	+ 0° 753	0° 90	46.7020	9° 9
...	46° 276	+11° 134	- 5	...	...	...	36° 044	+ 5° 471	- 5	...	...	...	...	24° 345	-14° 292	- 4	...	...
81	181-240																		
...	-46° 242	-55° 081	- 5	...	...	*	-36° 020	+15° 330	0° 90	46.7010	9° 9	...	...	-24° 314	- 0° 917	- 5	...	...
...	46° 105	- 6° 229	- 5	E	...	...	35° 937	-33° 489	- 4	...	...	...	...	24° 237	-18° 368	0° 85	47.6716	9° 8
...	45° 904	+22° 627	- 3	...	...	...	35° 676	- 8° 725	- 1	47.6703	10° 2	...	...	24° 113	+ 6° 339	- 4	...	...
...	45° 503	+26° 973	- 3	...	...	...	35° 541	+44° 964	1° 00	46.7011	9° 8	...	...	23° 880	+23° 460	- 5	...	...
*	45° 343	+39° 031	1° 15	46.6994	9° 6	†	35° 147	- 9° 297	- 5	...	...	*	...	23° 867	-39° 717	1° 50	47.6717	9° 0
...	-45° 267	-19° 773	- 5	...	...	...	-34° 807	+26° 193	- 4	...	...	...	...	-23° 745	-12° 458	0° 70	47.6720	9° 9
...	45° 105	-14° 917	- 5	...	...	...	34° 466	-29° 475	- 2	...	...	...	...	23° 695	+31° 876	- 5	...	...
...	45° 097	+ 0° 651	1° 15	46.6993	9° 2	...	34° 452	-17° 902	0° 85	47.6705	10° 0	...	...	23° 578	-42° 766	- 3	...	...
N *	44° 881	+23° 877	1° 10	46.6995	9° 6	...	34° 317	- 1° 192	0° 75	46.7012	10° 2	*	...	23° 547	-53° 880	1° 20	47.6719	9° 4	
†	44° 615	+54° 690	0° 80	45.7016	10° 0	...	33° 698	-44° 545	- 4	...	...	...	...	23° 534	-42° 323	- 4	...	...
91	151-211																		
*	-44° 354	-53° 210	1° 20	47.6692	9° 8	...	-33° 493	+49° 004	0° 65	46.7013	10° 0	...	...	-23° 424	+46° 453	- 5	...	...
*	44° 153	+22° 172	1° 15	46.6998	9° 4	...	33° 477	+34° 367	- 4	...	...	...	...	23° 369	-23° 519	- 4	...	...
*	44° 064	+ 6° 882	1° 15	46.6997	9° 3	...	33° 415	+59° 530	- 3	45.7028	10° 2	...	...	23° 200	+35° 660	- 5	...	...
†	43° 946	-15° 104	1° 15	47.6693	9° 2	...	33° 255	-34° 742	- 4	...	...	*	...	23° 086	-22° 934	1° 80	47.6721	8° 7
...	43° 916	+ 1° 707	- 5	...	...	...	33° 111	+19° 867	- 4	...	...	...	...	23° 038	-20° 475	- 5	...	...
...	-43° 877	- 5° 139	1° 20	46.6996	9° 2	*	-32° 829	-59° 645	1° 30	47.6706	9° 7	...	...	-22° 954	+22° 804	0° 85	46.7021	9° 8
...	43° 788	-26° 482	- 5	A	...	...	32° 714	-57° 964	- 5	...	...	...	...	22° 697	+13° 431	0° 90	46.7022	9° 8
...	43° 451	+ 8° 318	0° 75	46.7000	10° 0	...	32° 700	-12° 720	- 5	...	...	...	...	22° 415	-26° 340	- 5	...	...
...	43° 374	+ 0° 949	- 1	46.6999	10° 2	...	32° 160	-13° 206	- 4	...	...	...	...	22° 321	+ 7° 833	- 4	...	...
...	43° 343	-30° 739	- 5	...	...	...	32° 097	+26° 184	- 5	...	...	...	...	21° 965	+55° 876	- 4	...	...
101	161-221																		
...	-43° 298	-44° 499	- 4	...	...	...	-31° 848	+ 6° 055	- 2	...	...	...	...	-21° 827	+ 0° 409	- 4	α	...
...	43° 216	- 1° 559	- 5	...	...	...	31° 510	-34° 330	0° 65	...	...	...	...	21° 776	+39° 986	- 5	...	...
*	43° 210	+37° 918	1° 00	46.7001	9° 8	...	31° 420	+55° 977	- 5	...	...	...	...	21° 658	+ 2° 631	- 5	...	...
...	42° 721	+39° 053	- 5	...	...	...	31° 386	+18° 284	- 4	...	...	...	...	21° 640	-30° 863	- 4	...	...
...	42° 631	-38° 710	- 4	...	...	...	31° 358	-50° 286	0° 85	47.6707	10° 2	...	...	21° 518	+26° 740	- 3	...	...
...	-42° 557	-43° 979	- 3	...	...	...	-31° 070	+23° 852	0° 70	46.7014	10° 2	S *	...	-21° 410	-51° 530	1° 60	47.6722	8° 9
†	42° 518	-35° 152	0° 70	47.6696	10° 0	*	31° 065	- 9° 922	0° 95	47.6708	9° 7	...	...	21° 285	+55° 111	0° 70	45.7046	10° 0
...	42° 451	-36° 399	- 3	...	...	...	30° 869	+58° 848	- 5	...	...	...	...	21° 127	-34° 537	- 3	...	...
...	42° 288	+12° 545	- 5	30° 286	+14° 450	- 4	S *	20° 896	- 5° 647	2° 00	46.7023	8° 4
...	42° 133	-25° 325	- 4	...	...	...	30° 277	-31° 364	- 4	A	...	*	...	20° 892	+34° 584	1° 20	46.7024	9° 6
III	171-231																		
...	-41° 972	-10° 719	- 5	A	...	S *	-29° 577	-59° 940	1° 80	47.6709	9° 0	...	...	-20° 731	+50° 839	- 5	...	...
...	41° 745	+29° 172	- 4	...	...	...	29° 533	+21° 760	- 5	...	...	...	...	20° 685	+24° 502	- 3	...	...
...	41° 504	-22° 646	- 5	...	...	*	29° 369	+30° 113	1° 25	46.7015	9° 4	...	...	20° 663	-23° 208	- 5	...	...
...	41° 450	+25° 291	- 5	...	...	...	29° 103	-38° 654	- 4	...	...	...	...	20° 535	-34° 669	- 2	...	...
...	41° 406	- 7° 994	- 3	47.6697	10° 4														

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
241-300																		
241	-18.830	+19.923	1.00	46.7028	9.7	301	-8.008	+45.994	-5	...	...	361	+2.282	-27.416	-5	...	...
...	18.817	+41.810	-5	...	...	...	7.986	-7.518	0.80	47.6732	10.0	...	2.288	-28.006	-5	...	...
...	18.791	+43.927	-4	...	...	...	7.883	-45.719	-3	...	...	*	2.404	-40.588	1.00	47.6746	9.8
...	18.784	+11.615	0.85	46.7026	9.8	...	7.722	+4.335	-2	46.7042	10.2	*	2.669	-55.452	1.20	47.6747	9.6	
...	18.754	-45.312	-3	...	...	...	7.320	+30.711	-5	...	...	...	2.972	-29.811	-2	...	...
*	-18.717	+11.926	1.30	46.7027	9.2	...	-6.756	+26.868	-4	46.7043	10.4	...	+3.215	+8.204	-4	...	...
*	18.037	-0.765	1.20	46.7029	9.3	...	6.663	-44.628	-3	47.6733	10.4	...	3.339	-50.845	-4	...	...
...	17.938	-34.454	-2	...	...	*	6.618	+17.186	1.20	46.7044	9.2	...	3.384	+24.278	-3	...	...
...	17.799	-37.762	0.65	47.6723	10.2	...	6.144	-38.801	-3	47.6734	10.2	...	3.800	+56.493	-2	...	...
...	17.595	+26.450	-5	...	...	...	5.995	-52.421	-5	M	...	...	3.994	-16.425	-5	...	...
251	-17.367	-22.122	0.65	47.6724	10.4	311	-5.985	-51.057	0.90	47.6735	9.8	371	+3.997	-41.729	-2	...	...
...	17.149	-16.672	-4	...	...	...	5.904	-39.148	-5	...	...	...	4.077	+22.883	-5	...	...
...	17.061	-36.647	-1	...	...	...	5.762	-16.311	-4	...	...	...	4.323	+41.436	-2	...	...
...	16.733	+39.130	-5	...	...	...	5.659	+11.737	0.65	46.7045	10.0	...	4.628	+55.731	-4	...	...
...	16.685	+4.278	-5	...	...	...	5.602	-26.922	-3	47.6736	10.4	†	4.642	+1.324	0.85	46.7054	10.0
...	-16.049	+20.960	-1	46.7030	10.4	...	-5.471	-13.653	-4	...	...	...	+4.771	+42.535	0.90	46.7055	9.9
...	14.147	+38.009	-1	46.7031	10.4	†	5.303	+1.222	-4	...	...	*	4.822	-11.416	1.10	47.6748	9.6
...	14.118	+26.843	-4	...	...	...	4.969	+44.907	-4	...	...	...	4.849	+44.915	-5	...	...
...	14.089	-17.718	-1	47.6725	10.4	...	4.788	+23.978	-3	...	...	...	5.327	-2.321	-2	...	...
...	13.684	-15.118	-4	...	...	am*	4.676	+0.407	1.60	...	...	...	5.405	-24.956	-2	...	...
261	-13.493	-8.382	1.60	47.6726	9.2	321	-4.604	+0.474	2.00	46.7046	8.2	381	*	+5.853	-43.402	1.20	47.6749	9.6
...	13.456	+22.131	0.90	46.7032	9.8	...	4.591	-35.509	-4	...	...	...	5.952	+42.528	-4	...	...
*	13.426	-12.981	1.10	47.6727	9.6	...	4.494	-16.002	0.80	47.6738	9.8	*	6.042	+32.954	0.95	46.7056	9.8	
...	13.091	+32.901	0.80	46.7033	10.2	...	4.479	+19.092	-4	...	...	...	6.553	+49.425	-1	...	...
...	12.814	+56.409	-2	...	...	...	4.384	-6.238	-4	...	...	...	6.561	-28.082	-2	...	...
...	-12.744	+1.378	-2	46.7034	10.4	...	-4.312	+8.675	-4	...	...	...	+6.910	-30.520	-5	...	...
...	12.493	+33.766	-5	...	...	...	3.881	-22.963	-5	A m	...	S †	7.030	-50.101	2.50	47.6750	8.1
...	12.340	+35.337	0.75	46.7036	10.2	...	3.771	+22.489	0.80	46.7047	9.9	...	7.049	-19.528	-1	47.6751	10.4	
...	12.311	+9.473	-2	46.7035	10.4	...	3.543	+50.860	c.80	46.7048	10.0	...	7.180	+39.135	2.40	46.7057	8.2	
...	12.139	-45.803	-3	...	...	...	3.296	-41.292	-5	...	...	...	7.194	+46.895	1.70	46.7058	8.9
271	-11.988	+1.573	-4	...	...	...	3.213	-16.117	-5	A m	...	391	+7.444	-14.035	-5	M	...
...	11.961	+11.938	-5	...	...	...	3.140	-9.585	-3	...	...	...	7.544	+53.469	-5	...	...
...	11.770	-45.578	-5	...	...	...	3.078	+2.311	-5	...	...	...	7.670	+47.010	-5	...	...
...	11.529	+39.308	-3	...	...	...	2.992	-40.556	-5	...	...	...	7.679	-7.235	-4	...	...
...	11.075	+10.448	-4	...	...	S *	2.871	-16.166	1.25	47.6740	9.2	...	7.829	+45.345	0.80	46.7059	9.8
*	-10.457	+27.016	1.80	46.7037	8.7	...	-2.829	-51.563	-5	...	...	...	+7.923	-52.535	-5	...	...
...	10.438	-14.227	-4	...	...	S *	2.564	+55.805	1.80	45.7066	8.7	...	7.949	-20.343	-2	47.6752	10.2
†	10.232	+41.766	-5	...	...	S *	2.038	+19.864	2.25	46.7049	8.2	...	7.997	+25.742	-5	...	...
...	10.054	+35.823	-5	...	...	...	2.027	+8.334	-4	...	...	...	8.005	+16.510	-4	...	...
...	10.023	+28.458	-3	46.7038	10.4	...	1.662	-8.582	-5	...	...	...	8.315	-0.578	-3	...	...
281	-10.023	+13.852	-4	...	...	†	-1.609	+39.675	-4	...	...	401	+8.394	-34.743	-3	...	...
*	9.632	-18.320	1.25	47.6728	9.6	...	1.464	-41.475	0.75	47.6741	10.2	...	8.593	+47.126	-3	...	...
...	9.627	-22.147	-5	A	...	...	1.334	-41.279	0.85	47.6742	9.8	...	8.999	-15.799	-3	...	...
...	9.572	+1.456	-5	...	...	...	0.710	-56.653	0.65	47.6743	10.4	...	9.000	+30.273	-4	...	...
...	9.423	-12.735	0.75	47.6729	9.9	...	0.624	+38.193	-5	...	...	...	9.094	+22.636	-4	...	...
...	9.357	+48.854	-5	...	...	...	-0.367	-48.644	-3	...	...	...	+9.354	-14.828	-4	...	...
...	9.128	+4.864	-5	...	...	...	-0.182	+58.023	0.85	45.7070	10.0	...	9.617	+11.054	-5	...	...
...	9.109	-17.550	-5	...	...	*	+1.000	-40.956	1.10	47.6744	9.6	...	9.863	-48.433	-5	...	...
...	9.081	-6.125	0.80	46.7039	9.8	...	1.010	-30.614	-5	...	...	...	10.020	-32.688	-2	47.6754	10.4
...	8.954	-59.638	-5	...	...	...	1.085	+32.195	-5	...	...	*	10.333	-23.847	2.30	46.7060	8.2
291	-8.738	+17.002	0.90	46.7040	9.8	351	+1.341	+10.744	0.90	46.7050	9.8	411	+10.376	+55.099	-5	...	...
...	8.663	-34.526	-5	M	...	...	1.473	-36.054	-2	...	...	*	10.729	+58.415	1.25	45.7075	9.6
...	8.614	-6.940	0.80	47.6731	9.9	...	1.481	-8.910	-4	...	...	...	10.734	-2.713	-3	...	...
...	8.581	-51.243	-5	...	...	*	1.702	-6.140	1.20	46.7051	9.4	*	10.777	+20.123	1.20	46.7061	9.2
...	8.538	-54.283	-5	...	...	*	1.841	+33.534	0.90	46.7052	9.8	...	10.956	-24.668	-3	...	...
...	8.525	-57.776	0.85	47.6730	10.2	*	+1.988	-49.552	1.00	47.6745	9.6	...	+11.191	-17.509	-5	...	...
...	8.411	+29.033	-4	...	...	...	2.088	+12.622	-5	...	...	...	11.276	-2.044	-4	...	...
...	8.360	-49.682	-5	A m	...	...	2.121	+8.687	-2	46.7053	10.0	...	11.296	-1.979	-5	b	...
...	8.110	-15.624	-5	...	...	...	2.223	-52.269	-5	...	...	...	11.349	+17.873	-5	...	...
...	8.033	+28.118	-3	46.7041	10.4	...	2.243	-45.389	-5	...	...	...	11.371	-54.168	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
421-480																		
42 ¹	+11°57'	-52°616	-4	o	...	48 ¹	+20°185	+37°426	-3	o	...	54 ¹	+31°111	+38°317	-4	o	...	
...	11°804	-28°057	-4	...	...	...	20°202	-3°204	-5	...	...	...	31°210	-37°753	o·85	47.6774	10°3
...	11°973	-37°400	-5	...	...	...	20°263	+49°084	-2	46.7072	10°4	...	31°406	-35°425	-5	...	...
...	11°979	+42°283	-4	46.7062	10°4	†	20°540	+34°671	-1	46.7073	10°2	...	31°850	+22°091	-5	a	...	
...	12°345	-27°300	-4	...	...	...	20°606	+19°557	-3	...	...	...	32°097	+7°013	-5	...	...
...	+12°476	+59°174	-5	...	...	...	+20°644	-29°275	-1	47.6762	10°4	...	+32°149	-26°608	-4	...	...
...	12°543	-33°410	-5	...	...	...	20°878	-5°625	-2	...	...	...	32°311	+6°503	-1	...	...
*	12°881	-52°672	1°00	47.6756	9°9	...	22°076	-4°454	-5	...	...	...	32°841	-24°962	-4	...	...
...	13°170	-37°810	-5	...	...	...	22°106	+59°105	-3	...	...	...	32°962	-42°571	-5	...	...
...	13°275	+3°601	0°80	46.7063	9°8	...	22°851	+18°726	-5	...	...	...	33°154	+2°923	-5	...	...
43 ¹	+13°328	+20°282	-5	a	...	49 ¹	+23°031	+30°309	-2	...	...	55 ¹	+33°494	+10°221	-3	...	...
...	13°334	-6°309	-3	...	...	...	23°422	+42°195	0°80	46.7074	10°2	*	33°614	+13°427	0°90	46.7084	9°8
...	13°364	-20°475	-4	...	...	...	23°468	+28°537	-1	46.7075	10°4	*	33°895	+22°690	0°95	46.7085	9°8
...	13°376	+4°462	-5	...	...	...	23°958	-12°166	0°90	47.6763	9°9	†	33°990	+19°729	-4	...	...
...	13°506	+54°173	-5	...	...	*	24°184	-5°764	0°90	46.7076	9°9	...	34°077	-53°350	-4	...	...
...	+13°906	-44°254	-4	...	...	...	+24°229	+5°368	-1	46.7077	10°4	...	+34°187	-55°412	-5	...	...
...	13°924	+48°141	-5	...	...	...	24°241	-17°178	-1	47.6764	10°2	*	34°272	-11°433	1°00	47.6775	9°6
...	14°326	+10°618	0°80	46.7064	9°9	...	24°398	-30°369	-5	...	...	...	34°406	-58°691	-5	a	...
...	14°382	-13°755	-3	...	...	+	24°736	+35°040	1°20	46.7078	9°2	...	34°535	+32°310	--3	...	...
*	14°409	+46°678	2°20	46.7065	8°5	...	24°768	-2°742	-5	...	...	...	34°608	-47°371	-5	...	...
44 ¹	+14°417	+31°143	-5	...	...	50 ¹	+25°439	+58°474	-5	...	...	56 ¹	+34°649	-12°113	1°10	47.6776	9°6
...	14°423	+32°935	0°85	46.7066	9°8	...	25°603	-27°579	-4	...	...	...	34°729	+48°033	-5	...	...
...	14°512	-36°480	-2	...	...	...	25°690	-12°042	-2	...	...	...	34°830	-24°552	0°90	47.6777	10°0
†	14°694	-35°713	-5	d	...	...	25°838	+24°334	-3	...	...	...	34°906	-0°546	-4	...	...
*	14°877	-42°595	1°35	47.6757	9°2	...	26°079	-49°002	0°80	47.6767	10°2	*	35°233	+59°375	1°20	45.7095	9°6	
*	+15°263	-31°737	1°00	47.6758	9°7	...	+26°193	+40°551	-4	...	...	...	+35°313	-48°497	-3	...	...
...	15°480	-51°602	-3	...	...	...	27°165	-49°070	0°80	47.6768	10°2	...	35°467	+22°415	-5	...	...
...	15°493	+41°026	-5	...	...	†	27°179	-15°229	-4	...	...	...	35°618	-35°179	0°65	47.6779	10°4
...	15°718	+16°014	-5	...	...	...	27°330	+11°563	0°90	46.7079	9°8	...	35°669	-34°104	--4	...	...
*	15°904	-39°696	1°00	47.6759	9°7	...	27°371	-22°047	-5	...	...	...	35°930	-6°869	-2	47.6778	10°4
45 ¹	+15°937	+53°493	-5	51 ¹	+27°378	-3°319	0°75	46.7080	9°9	...	57 ¹	+36°071	-45°004	-5
...	15°964	+25°777	0°70	46.7067	9°9	...	27°443	-45°554	-3	...	...	...	36°224	+46°178	-5	...	...
...	16°153	-25°768	-5	...	...	...	27°597	+17°243	-4	...	...	*	36°228	-53°638	1°30	47.6780	9°7
...	16°250	-18°620	-5	...	...	...	27°603	+42°450	-5	...	...	...	36°408	+17°072	-2	...	...
...	16°292	+8°180	-5	...	...	...	27°609	-1°760	-5	...	...	†	36°448	+24°650	-5	...	...
...	+16°442	+27°933	-4	...	...	...	+27°779	+6°275	0°75	46.7081	10°0	...	+36°617	+0°183	-5	α	...
...	16°561	-7°881	-1	47.6760	10°2	...	27°920	-54°008	-5	...	...	...	36°669	-3°038	-5	...	...
*	16°720	+26°211	1°60	46.7068	9°0	...	28°258	-33°519	0°75	...	...	...	36°690	+30°852	-3	...	...
...	16°867	-4°283	-5	...	...	...	28°267	+53°595	0°90	46.7082	10°2	...	36°736	+39°165	--5	...	...
...	17°137	-48°558	-3	...	...	...	28°354	-22°912	-5	...	...	...	36°854	+13°638	-5	...	...
46 ¹	+17°472	-25°791	-5	...	...	52 ¹	+28°467	+34°146	-4	...	...	58 ¹	+37°044	+57°852	1°10	45.7098	9°8
...	17°634	+1°443	-5	a	...	...	28°469	+25°759	-4	...	...	...	37°161	+40°416	-5	...	...
...	17°781	-46°560	-5	...	...	...	28°696	-58°447	-5	...	...	*	37°198	-22°387	1°00	47.6781	9°8
*	17°987	-44°455	0°95	47.6761	9°8	*	28°892	-35°227	0°95	47.6770	9°8	*	37°267	+55°668	1°25	45.7099	9°6	
...	17°990	+35°842	-4	...	...	...	28°933	+31°654	-1	46.7083	10°4	S *	37°286	+46°393	2°20	46.7086	8°2
...	+18°074	+39°500	0°75	46.7069	10°0	*	+29°077	-34°234	0°95	47.6771	9°7	...	+37°345	-48°794	-5	...	...
...	18°227	+11°533	-4	...	...	...	29°140	-30°307	0°70	47.6772	10°4	...	37°416	+50°780	-3	46.7087	10°4
...	18°417	-30°477	-4	...	...	†	29°638	+39°759	-4	...	...	...	37°626	+9°813	-4	...	...
*	18°501	+45°729	1°10	46.7070	9°6	†	29°669	+55°516	-4	...	...	...	37°730	-56°425	-5	b	...
...	18°595	-32°239	-4	...	...	...	29°699	+9°983	-5	...	...	...	37°827	+45°343	-5	...	...
47 ¹	+18°606	+28°276	-3	46.7071	10°4	...	+29°711	+0°381	-5	α	...	...	+38°060	+23°764	-3	...	...
...	18°747	+18°655	-2	...	...	...	29°812	-33°566	-5	...	...	...	38°292	-36°457	-4	...	...
...	18°839	-28°864	-5	...	...	...	30°059	+39°042	-5	...	...	...	38°528	+34°891	-2	46.7088	10°4
...	18°927	-41°673	-5	...	...	...	30°087	-47°870	-5	...	...	...	38°588	+44°462	-5	...	...
...	19°057	-11°604	-5	...	...	...	30°288	-24°513	-4	...	...	...	38°879	+25°218	0°70	46.7089	10°2
...	+19°6c8	+12°970	-4	...	...	†	+30°435	+54°589	-4	...	...	...	+38°889	+50°c66	-5	...	...
...	19°869	-27°7c2	-5	...	...	...	30°620	+6°983	-3	...	...	...	39°281	+17°723	-4	...	...
...	20°110	-29°860	-2	...	...	...	30°839	+13°443	-5	...	...	...	39°695	+3°337	-1	46.7090	10°4
...	20°122	+46°298	-3	...	...	*	30°876	-56°303	1°25	47.6773	9°7	...	39°707	-52°339	-4	...	...
...	20°170	-28°715	-2	...	...	...	30°959	+38°745	-4	...	...	†	40°758	-25°205	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
601-640																		
601	+41°111	+3°140	-4	o	...	...	+48°226	+42°455	0°90	46.7098	10°0	681	+56°108	+50°823	-5	o	...
...	41°175	-1°409	-5	a	...	...	48°530	-13°666	0°90	47.6788	10°2	...	56°109	-48°331	-3	...	...
...	41°294	+54°779	-3	...	...	...	48°669	-10°008	-5	a	...	...	56°167	-14°486	0°65	47.6795	10°4
...	41°771	+22°673	-4	...	...	...	48°672	-12°834	-5	...	...	...	56°604	+36°610	-5	...	...
...	41°774	-50°364	-3	...	...	...	48°949	+22°891	-4	...	...	...	56°736	-45°809	-5	e	...
...	+41°848	+14°508	-5	...	...	...	+49°059	-38°637	-4	...	...	...	+57°435	-47°601	-3	...	...
*	42°008	+21°910	1°00	46.7091	9°7	+	49°611	+2°340	0°80	46.7101	9°8	...	57°478	+43°229	-5	...	...
...	42°853	+49°041	-2	46.7092	10°2	*	49°775	+26°897	2°80	46.7100	7°7	...	57°504	+14°416	-5	...	...
...	42°873	+10°637	-2	...	...	...	50°223	+46°007	-3	...	...	...	57°862	+8°874	-5	...	...
...	42°907	+14°165	-2	...	...	†	50°330	+29°695	-4	...	...	...	58°155	+27°167	-5	...	...
611	+43°245	+14°792	-2	46.7094	10°4	*	+50°406	+46°035	1°20	46.7102	9°6	691	+58°165	+23°510	-3	...	...
...	43°379	+48°814	0°85	46.7093	10°2	...	50°414	-1°068	-1	46.7104	10°4	...	58°191	+4°165	-5	...	...
†	43°539	-30°148	-5	...	...	...	50°424	+43°469	0°65	46.7103	10°2	...	58°195	-24°633	-5	...	...
...	43°548	-29°897	-1	...	...	*	50°449	-15°510	1°00	47.6789	9°8	...	59°051	+16°889	-5	...	...
*	43°583	+6°402	0°90	46.7095	9°8	...	50°720	+21°018	-5	...	...	...	59°312	+39°976	-5	...	...
...	+43°857	+40°687	-5	a	...	...	+50°870	-19°000	-4	...	...	...			
...	43°869	+41°983	-1	...	...	...	51°317	-22°318	-3	...	...	...			
...	43°928	-14°847	-2	...	...	...	51°347	-8°229	0°80	47.6790	9°9						
...	43°945	-36°521	-2	...	...	†	51°442	-30°194	-4	...	...	...			
621	44°339	-29°979	-4	...	...	...	51°596	-27°753	-5	...	...	...			
	+44°501	+36°046	-4	...	...	...	+51°636	+37°336	0°80	46.7105	10°0						
...	44°513	-23°610	0°65	...	...	...	51°680	+5°558	0°65	46.7106	10°2						
†	44°645	+36°377	1°30	46.7096	9°4	...	51°781	+16°829	-5	...	...					
...	45°209	+23°849	-5	...	...	...	51°796	-50°864	-5	...	...					
...	45°454	+3°706	-5	...	...	...	51°805	+31°365	-5	...	...					
...	+45°751	+18°638	-4	...	...	...	+51°847	+19°386	-4	...	...					
...	46°009	+5°542	-4	...	...	...	52°278	-15°762	0°65	47.6791	10°4						
...	46°060	-41°246	-2	...	...	...	52°452	+34°514	-5	...	...					
...	46°084	+41°182	-2	...	...	...	52°660	-10°292	-5	a	...						
...	46°344	-21°166	-5	...	...	...	52°670	-40°412	-3	...	...					
631	*	+46°429	+56°007	1°40	45.7110	9°6	...	+53°861	-19°571	0°70	47.6792	10°4	671					
...	46°470	+45°163	-5	...	...	...	53°972	+31°528	-2	46.7107	10°4						
...	46°980	+12°749	0°75	46.7097	10°2	†	54°533	+13°784	-2	...	...					
*	47°098	-47°535	1°20	47.6785	9°7	...	54°798	+12°622	-5	...	...					
...	47°641	+55°170	-4	...	...	...	55°151	+36°814	-1	...	...					
...	+47°646	+18°101	-5	...	...	...	+55°206	+52°057	-5	...	...					
...	47°734	-56°517	-2	47.6787	10°4	...	55°317	+1°192	-5	...	...					
*	48°032	-28°753	5°00	47.6786	6°7	...	55°545	+30°488	-5	...	...					
...	48°104	-21°033	-4	...	...	...	55°687	+59°441	-5	...	...					
S *	48°155	+2°960	1°95	46.7099	8°4	...	55°847	-22°862	0°65	47.6794	10°2							

1-10						11-20						21-30					
I	-59°868	+13°905	-3	o	...	II	-57°821	-30°370	-5	o	...	21	-55°444	+42°338	0°95	+6.7098	10°0
...	59°791	+10°381	-3	...	...	*	57°661	+55°825	1°40	45.7110	9°6	...	54°950	-41°384	-3	...	...
...	59°788	+41°735	-3	...	...	...	57°535	+40°998	-3	...	...	S *	54°253	+2°866	2°10	46.7099	8°4
...	59°530	+14°542	-3	46.7094	10°4	...	57°227	-36°725	-5	...	...	...	54°115	+22°819	-5	...	...
...	58°961	+35°817	-5	...	...	...	57°145	+18°459	-5	...	...	*	53°732	-47°638	1°30	47.6785	9°7
...	-58°961	-50°631	-4	...	...	...	-57°082	-23°799	0°65	...	...	...	-53°570	-21°117	-5	...	...
*	58°945	+6°165	1°05	46.7095	9°8	...	57°032	-30°181	-5	...	...	...	53°563	+45°950	-4	...	...
*	58°816	+36°149	1°60	46.7096	9°4	...	56°485	+5°381	-5	...	...	*	53°385	+26°843	2°70	46.7100	7°7
...	57°926	-15°067	-3	...	...	...	56°437	+55°026	-5	...	...	*	53°376	+45°986	1°30	46.7102	9°6
†	57°824	-30°116	0°65	...	...	...	55°731	+12°614	0°65	46.7097	10°2	...	53°373	-13°742	0°75	47.6788	10°2

ES measured from 1, 96, 197, 282, 407, 518.
MC .. " 49, 149, 239, 345, 462, 582.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
31-90																	
31*	-53°358	-28°826	4°90	47.6786	6.7	91	-40°714	+23°047	-5	o	...	151	-29°777	-28°061	-2	o	...
...	53°276	+43°417	0°75	46.7103	10.2	...	40°579	-1°123	-5	...	...	...	28°755	-51°357	-2	...	...
...	53°255	-12°899	-5	...	...	...	40°272	+21°440	-5	5	...	...	28°745	-16°855	-5	...	...
...	52°928	+29°651	-4	...	...	...	40°257	+47°266	-1	46.7111	10.4	...	28°683	-3°194	-5	...	...
...	52°806	-56°590	-3	47.6787	10.4	...	40°193	+46°561	-2	46.7112	10.4	...	28°369	-12°319	-4	...	...
...	-52°791	+2°281	0°85	46.7101	9.8	+	-40°087	+19°108	1°70	46.7110	8.9	S *	-28°313	-50°109	2°80	47.6810	8.0
...	52°269	+21°005	-5	...	...	...	39°913	-19°726	0°65	47.6796	10.2	...	28°050	-25°342	-3	...	...
...	52°060	-38°682	-5	...	...	...	39°860	-7°128	-4	...	...	*	27°842	+47°173	1°20	46.7122	9.6
...	51°874	-1°086	-1	46.7104	10.4	...	39°652	+48°704	-5	...	...	*	27°670	-33°478	2°20	47.6811	8.4
...	51°860	+37°340	0°90	46.7105	10.0	...	39°429	+3°281	-5	...	...	...	27°267	-44°269	-4	...	...
41	101																
...	-51°522	+31°364	-5	...	...	...	-39°263	-3°392	-3	...	...	161	-27°227	-33°025	0°95	47.6812	9.8
*	51°371	-15°526	1°10	47.6789	9.8	...	39°038	+33°349	0°65	46.7113	10.4	...	27°118	-31°129	0°65	47.6813	10.2
...	51°091	+19°406	-4	...	...	...	39°017	-31°796	-3	...	...	N	26°576	+15°263	-5	...	...
...	50°953	+34°527	-5	...	...	...	38°637	-40°792	-5	...	...	...	26°456	-43°813	-4	...	...
...	50°858	-18°999	-4	...	...	...	38°599	-9°178	-5	...	...	...	26°359	+55°065	-2	...	...
...	-50°816	+5°574	0°70	46.7106	10.2	...	-38°482	+1°654	0°65	46.7114	10.2	...	-25°584	+38°313	-4	...	...
...	50°720	-8°219	0°95	47.6790	9.9	*	38°344	-45°161	1°15	47.6798	9.8	†	25°226	-40°134	0°85	47.6816	10.2
...	50°305	-22°294	-3	...	...	...	38°147	+2°406	-4	...	...	...	25°084	-12°076	-4	...	...
...	49°928	-30°157	-3	...	...	...	37°899	-42°851	-2	...	...	...	25°064	+40°325	0°65	46.7123	10.4
...	49°860	-27°716	-4	...	...	...	37°852	-47°327	0°75	47.6799	10.2	...	24°866	-42°705	-1	...	...
51	III																
...	-49°548	-15°711	0°70	47.6791	10.4	...	-37°494	-54°777	0°65	47.6800	10.2	*	-24°479	-23°942	1°40	47.6817	9.2
...	49°365	+31°608	-1	46.7107	10.4	...	37°486	-6°850	-3	...	...	*	24°457	+52°117	1°10	46.7124	9.6
...	48°926	-50°793	-5	...	...	...	37°177	+19°571	-3	...	...	*	24°191	-17°662	1°40	47.6819	9.3
...	48°756	+52°155	-4	...	...	*	36°957	-33°250	1°15	47.6802	9.8	...	24°664	+45°122	-3	...	...
...	48°546	+59°539	-5	...	...	...	36°664	-20°441	-4	...	...	*	24°018	-32°992	1°20	47.6818	9.4
...	-48°384	-40°337	-2	...	...	*	36°354	+7°466	2°10	46.7115	8.8	...	-24°002	+31°806	-5	...	...
...	48°349	+36°910	-1	...	...	*	36°211	-16°614	1°00	47.6804	9.8	...	23°739	+15°858	-2	46.7125	10.4
...	48°227	+13°887	0°65	...	...	...	35°946	+17°853	-5	...	...	...	23°698	+1°109	-5	...	...
...	47°938	+12°724	-4	...	...	...	35°663	+58°345	1°20	45.7131	9.8	...	23°270	+30°842	-4	...	...
...	47°846	-19°465	0°80	47.6792	10.4	...	35°487	-45°126	-5	...	...	...	23°109	-22°709	-5	...	...
61	121																
...	-47°838	+50°942	-4	...	...	†	-35°164	+29°759	-3	...	...	181	-23°056	+43°407	-1	...	...
...	47°756	+30°617	-5	...	...	...	35°038	+27°339	-4	...	...	...	22°903	-48°541	-1	47.6820	10.4
...	47°055	+1°322	-5	...	...	...	34°957	-12°139	-3	...	...	...	22°710	-59°522	-4	...	...
...	46°881	+36°753	-5	...	...	...	34°721	-43°337	-5	M	...	...	22°696	+24°820	-4	...	...
...	46°220	+43°403	-4	...	...	...	34°230	+43°725	-5	...	...	...	22°496	+40°929	-4	...	...
...	-45°751	-22°702	0°80	47.6794	10.2	...	-33°756	+36°474	-4	...	...	...	-22°199	-29°831	-5	...	...
...	45°704	-14°314	0°70	47.6795	10.4	...	33°614	-0°513	-5	M	...	*	21°865	-0°354	1°00	46.7126	9.8
...	45°283	+14°621	-5	...	...	S *	33°561	-6°511	1°35	47.6805	9.4	...	21°546	+36°443	-2	...	...
...	45°038	+27°378	-4	...	...	...	33°521	-0°380	-5	M	...	...	21°419	-12°190	-4	...	...
...	44°928	+23°724	-3	...	...	...	33°520	-23°622	-5	...	...	...	21°109	-38°152	0°75	47.6822	10.4
71	131																
...	-44°768	+9°074	-5	...	...	*	-33°376	-2°178	2°50	46.7116	8.2	*	-21°033	-42°247	1°00	47.6824	9.8
...	44°679	-48°128	-2	...	...	*	33°219	-2°571	2°10	46.7117	8.5	*	20°939	-58°884	1°20	47.6821	9.7
...	44°348	+50°824	-4	...	...	*	32°706	-21°125	1°15	47.6806	9.7	...	20°590	-44°611	-5	...	...
...	44°310	+40°210	-4	...	...	...	32°303	-51°696	-5	...	...	*	20°548	+13°450	1°30	46.7127	9.4
...	44°291	+4°397	-5	...	...	...	32°170	-50°836	-5	A	...	*	20°298	+52°081	0°95	46.7128	9.8
...	-44°137	-45°594	-4	E	...	...	-32°059	-41°362	-2	...	...	†	-20°207	+32°426	-5	...	...
...	43°897	+56°810	-4	...	...	...	31°948	-16°206	-5	...	...	...	19°423	-33°538	-5	...	...
...	43°746	+55°031	-5	...	...	...	31°935	-20°503	-2	47.6807	10.4	...	19°034	-52°606	-3	...	...
...	43°502	+41°728	0°90	46.7108	10.0	...	31°843	-43°388	-5	...	...	...	18°872	+14°874	-5	...	...
...	43°491	-47°356	-2	...	...	...	31°836	-49°181	-5	...	...	...	18°813	-51°478	-5	...	...
81	141																
...	-43°372	-24°391	-5	...	...	...	-31°710	-1°446	0°80	46.7118	9.9	...	-18°504	-55°997	-5	...	...
...	43°089	+12°877	-5	...	...	...	31°656	-40°684	-4	...	...	...	18°476	-58°534	-3	...	...
...	42°268	-35°893	-5	...	...	...	31°367	-19°957	-4	...	...	...	18°435	-44°035	-5	...	...
...	41°952	+16°831	-5	...	...	...	31°314	+44°668	1°00	46.7119	9.8	...	18°277	-18°839	-1	47.6825	10.4
...	41°575	+19°633	-5	...	...	...	30°620	+3°849	-1	46.7120	10.2	...	18°167	-51°693	-5	...	...
...	-41°418	-33°782	-4	...	...	*	-30°581	+22°425	1°50	46.7121	9.2	S *	-17°936	+43°024	1°60	46.7129	9.2
...	41°399	+21°405	-4	...	...	...	30°245	+26°882	-5	...	...	...	17°578	-27°257	-4	...	...
...	41°395	+17°782	-1	46.7109	10.4	†	30°220	-57°345	0°65	...	...	*	17°138	+26°728	1°35	46.7130	9.3
...	41°367	-23°112	-4	...	...	†	30°191	-44°939	0°80	47.6809	10.2	...	17°051	-40°128	-5	A	...
...	41°241	+21°605	-5	...	...	...	30°059	+54°040	-3	...	...	...	17°018	-11°956	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
211-270																		
211	*	-16·994	-47·618	1·25	47·6826	9·7	271	-2·645	+57·474	-3	0	...	331	+ 6·549	-17·069	-5	0	...
...	16·958	+32·338	-4	...	...	...	2·598	+45·614	-4	...	...	...	6·557	-54·581	-5	...	...
...	16·614	+16·180	-5	...	...	n†	2·496	+54·686	-3	45·7158	10·4	...	6·644	+ 1·116	-3	46·7153	10·4
...	16·480	-2·602	-5	...	...	...	2·425	-17·277	-4	...	...	...	6·682	+ 1·164	-5	Mm	...
...	16·302	+52·647	-5	...	...	n†	2·331	+54·611	-3	45·7158	10·4	...	6·745	-29·304	-5	...	...
...	-16·238	-0·856	-4	...	...	...	-1·702	-0·949	-3	...	...	...	+ 6·973	-13·116	-5	...	...
†	15·250	-1·641	0·85	46·7131	9·9	...	1·472	+20·730	-4	...	...	*	7·078	-29·114	1·70	47·6847	9·2
‡	15·216	-50·262	1·05	47·6827	9·8	...	1·452	+59·351	-4	...	...	*	7·332	-3·041	1·05	46·7154	9·7
...	14·814	+44·393	-5	...	...	...	0·985	+33·854	0·65	46·7139	10·4	...	7·975	-54·859	-5	...	...
...	14·645	+18·212	0·95	46·7132	10·0	...	0·672	+55·254	-5	m	...	...	8·369	+ 7·415	-5	m	...
221	-14·133	-20·393	-5	...	...	281	* -0·582	-58·129	1·10	47·6836	9·8	...	+ 8·473	+18·699	-5	m	...
...	13·649	-14·704	-5	...	...	...	-0·106	+15·623	-5	m	...	*	9·127	+49·151	1·25	46·7155	9·6
...	13·268	+7·120	-4	...	...	...	+ 0·478	-23·343	1·10	47·6837	9·7	*	9·303	+43·739	1·70	46·7156	9·2
...	13·156	+40·153	-5	...	...	...	0·527	-3·173	-2	46·7140	10·2	...	9·415	+32·740	-5	m	...
...	12·964	-8·063	-2	...	...	...	0·591	-23·795	1·10	47·6838	9·7	†	9·752	-28·025	-2	...	...
...	-12·853	+34·893	-4	...	...	...	+ 0·686	+50·394	-3	...	...	...	+ 9·763	-29·785	-1	47·6850	10·2
...	11·993	+44·304	-5	...	...	...	0·723	-28·650	0·90	47·6839	9·8	...	9·793	-32·607	0·75	47·6849	10·2
...	11·930	+58·600	-5	...	...	n*	0·935	+ 8·932	1·30	46·7141	9·4	...	10·013	+ 9·220	-3	...	...
*	11·663	-49·067	1·05	47·6829	9·8	S*	1·045	+23·453	2·30	46·7142	8·3	...	10·067	+ 9·842	-1	46·7157	10·4	
...	11·565	-28·495	-5	...	...	n	1·100	+ 9·060	-3	46·7141	9·4	*	10·259	+25·280	1·50	46·7158	9·2
231	-11·524	-7·729	-5	...	...	291	+ 1·300	-51·420	0·85	47·6840	10·2	...	+ 10·500	+11·353	-2	...	...
...	11·443	+50·420	-4	...	...	...	1·316	-34·891	-5	...	...	...	10·545	-57·863	-5	...	...
...	11·383	-44·674	-5	...	...	...	1·330	-3·577	1·35	46·7143	9·4	...	10·637	-59·332	-4	...	...
...	11·135	-15·248	-5	...	...	...	1·398	-31·964	1·00	47·6842	9·7	...	10·666	+26·531	-3	...	...
...	11·095	-1·748	-5	...	...	...	1·413	-24·289	0·75	47·6841	10·0	...	10·694	-36·600	-3	...	...
...	-10·355	-38·372	-5	...	...	...	+ 1·428	+46·347	0·75	46·7145	10·0	...	+ 10·702	+32·984	-2	46·7159	10·4
†	10·324	-54·605	0·65	47·6830	10·2	...	1·484	+19·599	0·75	46·7144	9·9	...	10·770	+29·930	-3	...	...
...	10·314	-41·286	-5	...	...	...	1·534	-10·629	-1	...	...	...	11·068	-52·679	-4	...	...
...	10·010	-13·018	0·70	47·6831	10·2	*	1·552	+14·594	2·30	46·7146	8·2	...	11·127	-13·451	-3	...	...
...	9·813	+29·287	-5	...	...	...	1·700	-22·079	-4	...	...	...	11·172	-32·846	2·80	47·6851	8·4
241	*	-9·777	+52·774	1·20	46·7133	9·7	301	+ 1·740	-14·608	-5	†	+ 11·328	+24·681	-2
...	9·473	-25·941	-2	...	...	...	1·795	-56·283	0·75	47·6843	10·4	...	11·409	+33·680	-4	a	...
...	9·262	-35·481	-5	...	...	...	2·079	+43·933	-1	46·7147	10·4	†	11·487	-0·155	-4	...	...
...	9·240	-41·660	-1	47·6832	10·4	...	2·379	+ 7·138	-3	46·7148	10·2	...	11·563	-53·561	-3	...	...
*	9·209	+57·586	1·00	45·7151	9·8	...	2·711	-42·681	-4	...	...	...	11·690	-6·515	0·90	47·6852	10·0
—	8·947	-55·727	-5	...	...	...	+ 2·877	-31·868	0·65	47·6844	10·4	...	+ 12·232	-8·234	-4	...	...
...	8·942	-11·102	-3	...	...	...	2·970	-30·480	-5	...	...	...	12·967	+54·511	-4	...	...
...	8·864	+5·482	-5	...	...	...	3·047	+41·820	-2	...	...	†	13·001	-15·107	1·00	47·6853	9·6
*	8·641	+59·138	1·20	45·7153	9·7	...	3·063	-11·192	-5	...	...	...	13·076	-15·237	-4	...	...
*	8·553	+39·187	1·40	46·7134	9·3	*	3·121	+37·686	1·20	46·7149	9·3	...	13·594	-15·535	-4	...	...
251	-8·357	+37·213	-3	311	S*	+ 3·239	-34·450	1·75	47·6845	9·2	...	+ 13·752	-58·678	1·00	47·6854	10·0
...	8·338	-11·328	-3	47·6833	10·4	...	3·436	+17·874	-5	...	...	...	13·777	+31·804	-1	46·7160	10·2
†	7·671	-20·075	-2	...	...	...	3·488	-47·986	-5	...	...	...	13·917	-25·881	-3	...	...
...	7·522	-14·411	-5	M	...	N*	3·529	-3·200	1·30	46·7150	9·3	...	14·008	-5·750	-4	...	...
S*	7·467	-34·343	-5	...	...	N	3·603	-3·244	0·70	46·7150	9·3	...	14·397	+39·879	0·80	46·7161	10·4
—	7·085	+12·272	1·50	46·7135	9·3	...	+ 3·619	-10·705	-5	...	...	...	+ 14·582	-6·393	-4	...	...
...	6·991	-35·176	-2	...	...	...	3·647	+53·746	-4	...	...	...	14·805	+ 7·770	-4	m	...
...	6·620	+19·188	-4	m	...	*	3·653	+42·784	2·00	46·7151	8·7	...	14·840	+11·975	0·90	46·7162	10·2	
...	6·561	+53·144	-5	m	...	...	4·113	+29·925	-5	m	...	...	15·055	+41·282	-2	...	...
...	6·412	+59·084	-5	m	...	...	4·626	-29·419	-3	...	...	...	15·194	+ 2·470	-4	m	...
261	-6·313	+50·170	0·80	46·7136	10·2	321	+ 4·666	-8·905	-5	...	...	†	+ 15·239	-20·103	-3	...	...
...	5·946	+20·724	0·80	46·7137	10·2	...	5·057	+20·447	-5	m	...	...	15·645	-41·054	0·70	47·6855	10·4
...	5·105	-21·786	-4	...	...	...	5·071	-49·890	-4	...	...	...	15·749	-4·523	-5	...	...
...	5·017	-27·945	-4	...	...	...	5·071	-59·443	-3	m	...	...	15·753	+46·446	-1	...	...
...	4·873	-12·279	-5	...	...	...	5·211	+10·671	-4	m	...	...	15·790	+30·472	-1	46·7163	10·2
—	4·523	+42·622	-4	m	...	...	+ 5·446	+46·440	0·65	46·7152	10·2	...	+ 16·021	-5·587	-3	...	...
...	4·069	-5·312	-4	...	...	...	5·569	-20·520	0·85	47·6846	9·9	...	16·209	-32·445	-4	...	...
*	3·601	-58·280	1·10	47·6835	9·8	...	5·783	+47·909	-5	...	...	...	16·410	-13·347	-5	...	...
...	3·565	-13·824	-3	...	...	...	6·249	-31·827	-5	...	...	...	16·824	-47·623	0·80	47·6856	10·4
*	2·697	+21·450	1·80	46·7138	9·2	...	6·253	+46·935	-4	...	...	...	16·943	-18·980	-4	...	...

273, 275. C.P.D., mass.

288, 290. C.P.D., suspected double.

314, 315. 48°·90, two stars; 48°·91, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
391-450																		
391	+17°153	+39°545	-3	o	...	451	+27°058	-29°946	-5	o	...	511	+37°929	+37°054	-1	o	...	
...	17°229	+57°090	-1	45.7175	10°4	...	27°406	+37°247	-1	46.7172	10°4	...	38°084	+45°889	0°85	46.7184	10°0	
...	17°689	+55°114	-3	...	...	...	27°436	+51°168	0°80	46.7171	10°2	...	38°133	+18°270	-4	...	...
...	17°723	-6°314	-2	...	...	...	27°574	-47°629	-2	...	...	...	38°210	-26°105	-4	...	...
...	17°921	-30°476	0°75	47.6857	10°0	...	28°464	+11°958	0°75	46.7173	10°2	...	38°499	+32°346	-4	m	...	
+	+18°027	-45°099	1°00	47.6858	10°0	...	+28°548	-19°315	0°85	47.6872	9°9	...	+38°612	+9°237	-5	m	...	
α	18°354	+0°177	-1	46.7164	10°4	...	28°843	-27°933	-5	...	...	...	39°187	+8°815	-4	m	...
...	18°510	+53°916	-4	...	...	...	28°869	+37°957	-1	46.7174	10°4	...	39°742	-2°912	-5	...	...
...	18°862	+29°571	-5	m	...	...	28°987	-1°581	-4	...	...	...	39°877	+21°144	0°65	46.7185	10°2
...	19°175	-26°924	-5	...	...	...	29°129	+27°533	-5	m	...	...	40°194	-51°378	-5	m	...
401	+19°260	+54°592	-1	45.7176	10°4	...	+29°339	+11°570	-5	m	...	521	+40°241	+47°117	-5	m	...	
...	19°285	-30°452	-5	...	...	...	29°708	-8°420	-2	...	...	...	40°307	-18°335	-5	...	...
*	19°306	-23°193	0°95	47.6859	9°8	...	29°785	+12°172	-5	m	...	...	40°525	-51°922	-5	...	...
...	19°324	+45°291	0°75	46.7165	10°2	...	30°270	-53°248	-1	...	...	...	40°867	+11°266	-5	m	...
...	19°340	-57°917	-2	...	...	...	30°359	+42°107	-3	...	...	...	40°872	+24°266	0°65	46.7186	10°4
...	+19°615	+33°935	-5	m	...	*	+30°408	-39°036	1°00	47.6873	9°6	...	+41°134	-53°488	0°70	47.6886	10°4	
*	19°953	+21°755	1°10	46.7166	9°8	...	30°747	-30°874	-1	...	...	...	41°184	+43°737	-5	m	...
...	20°104	+9°276	-3	...	...	...	30°940	-11°009	-4	...	...	...	41°452	-26°904	-5	...	...
...	20°107	-10°362	-5	...	...	...	31°018	+48°760	-5	m	...	...	41°861	+16°145	1°80	46.7187	9°1
...	20°129	-15°595	-5	...	...	...	31°602	+3°509	-1	...	...	...	42°426	-13°613	-5	...	...
411	+20°370	-51°190	-2	47.6861	10°4	...	471	+31°654	+17°025	-5	m	...	531	+42°589	-18°075	-5
...	20°452	-27°143	-1	47.6860	10°2	*	31°740	-4°794	0°90	46.7175	9°8	...	42°612	-3°249	0°90	46.7188	10°0	
...	20°482	-9°659	-5	...	...	...	32°014	-17°415	-4	...	...	...	42°663	-50°744	0°90	47.6887	10°0
...	20°586	-24°792	-5	...	...	...	32°135	+43°909	-3	a	...	...	42°994	-38°259	-2	...	...
...	20°621	-10°101	-3	...	...	...	32°136	+55°445	-5	m	...	...	43°010	-36°177	0°85	47.6888	10°2
...	+20°630	+12°077	-4	...	...	...	+32°735	-10°520	-5	...	...	...	+43°206	+30°665	-5	e	...
...	20°673	-55°595	-3	...	...	...	32°856	-28°695	0°75	...	...	*	43°300	-52°509	1°25	47.6890	9°7
...	20°718	+30°081	-5	...	...	...	33°151	+31°648	0°80	46.7176	10°2	...	43°497	+56°013	0°90	45.7196	10°0
...	20°850	+32°058	-1	46.7167	10°2	...	33°275	+12°748	-5	m	...	...	43°531	-11°533	-5	...	...
...	21°015	+5°772	-2	...	...	...	33°329	-37°850	-5	...	...	...	43°605	-32°357	-5	...	...
421	+21°490	-32°451	0°70	47.6862	10°2	...	481	+33°371	-39°236	-5	541	+43°755	-12°880	0°75	47.6889	10°2
...	21°558	-28°904	-4	...	...	...	33°382	+30°442	0°65	46.7177	10°4	*	43°823	+27°021	1°90	46.7189	8°9
...	21°583	-25°419	-5	...	...	...	33°437	-21°515	0°90	47.6875	10°0	...	43°962	+36°626	0°70	...	...
...	21°975	-38°061	-4	...	...	...	33°671	+42°140	-2	...	...	...	43°999	-55°617	0°80	47.6891	10°4
...	22°096	-16°068	0°70	47.6863	10°2	...	33°771	+54°927	-5	m	...	...	44°468	-4°250	-5	...	...
*	+22°473	+2°761	1°00	46.7168	9°8	...	+33°923	-10°004	-3	...	...	...	+44°600	+51°494	0°85	46.7190	9°8
*	22°512	-34°856	-4	...	...	S *	34°046	+20°242	6°60	46.7178	4°7	...	44°838	-34°948	-5	...	...
*	23°453	-47°839	1°30	47.6864	9°8	...	34°047	+42°961	-3	...	...	...	45°156	-51°233	1°05	47.6892	10°0
...	23°491	+45°418	-5	m	...	S *	34°101	-2°373	1°30	46.7179	9°2	...	45°416	+16°493	-3	...	...
...	23°670	-26°345	-5	...	...	S *	34°114	-11°258	1°50	47.6876	9°1	...	45°439	-17°404	-5	...	...
431	+23°824	-41°497	-5	491	+34°274	+54°827	-5	m	...	551	+45°510	-26°129	-4
...	23°903	-35°010	0°65	47.6865	10°2	...	34°528	-24°949	-3	...	...	...	45°804	-34°729	0°80	47.6893	10°2
...	24°581	-15°576	-5	...	...	*	35°119	-46°923	2°00	47.6877	8°7	...	45°921	+12°933	-4	...	...
...	24°790	+57°439	-5	m	...	...	35°174	+12°752	-5	m	...	...	46°023	-54°797	-2	...	...
...	25°107	+4°001	-3	a	...	...	35°413	-43°748	-4	...	...	...	46°126	+28°222	-4	e	...
...	+25°119	+50°225	-1	46.7169	10°4	...	+35°565	+12°545	0°95	46.7180	9°8	...	+46°144	-14°803	-4	...	...
...	25°186	-40°981	-4	...	...	*	35°646	-1°593	1°00	46.7181	9°8	...	46°379	+20°525	-3	...	...
+	25°679	-15°168	-2	47.6866	10°4	...	35°721	-8°716	0°90	47.6878	10°0	...	46°445	-45°326	0°65	...	...
*	25°748	-53°338	1°40	47.6867	9°4	*	35°721	-23°507	1°40	47.6879	9°2	...	46°511	+40°768	-2	...	...
...	25°891	-12°714	-3	...	...	...	35°842	+6°539	-4	...	...	...	46°516	+3°571	-5	e	...
441	+25°973	-35°159	1°80	47.6868	8°9	...	501	+36°123	-44°184	-5	561	+46°860	+2°452	-5	e	...
...	26°058	-55°833	-5	...	...	...	36°238	-14°939	0°85	47.6880	10°0	...	46°898	-58°255	-3	...	...
...	26°084	-10°228	-5	...	...	...	36°771	-5°727	0°90	46.7182	10°2	...	47°105	+6°624	1°00	46.7192	9°9
...	26°449	-18°436	0°65	47.6869	10°0	...	36°832	+17°688	-5	m	...	...	47°187	+3°630	0°70	46.7193	10°2
...	26°539	+58°238	-4	a	...	...	37°065	-14°421	-4	...	...	...	47°304	+41°613	0°90	46.7191	10°0
...	+26°574	-4°821	-5	...	...	...	+37°373	+35°128	-4	...	...	*	+47°403	+22°658	1°80	46.7194	9°2
...	26°755	+24°083	0°80	46.7170	10°0	...	37°465	+34°843	-1	46.7183	10°2	...	47°566	-16°978	0°80	47.6896	10°2	
*	26°757	-46°984	1°60	47.6871	9°2	...	37°676	-42°518	0°90	47.6882	10°2	...	47°595	-12°760	0°75	47.6895	10°2	
...	26°777	-37°451	0°70	47.6870	10°2	...	37°717	-39°730	-4	...	...	...	47°732	-12°888	-4	...	...
...	26°784	-49°181	-1	...	...	...	37°918	-4°784	-4	...	...	...	47°743	+27°668	1°00	46.7195	9°8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
571-600																	
57 ¹	+47·784	-58·700	-4	o	...	...	+53·411	-30·381	-4	o	...	...	+58·940	+30·956	-5	o	e
S *	47·857	-53·606	2·40	47.6897	8·3	*	53·616	-21·279	1·30	47.6901	9·6	...	59·025	+15·543	-5	...	...
...	48·052	-27·114	-4	...	...	...	53·794	+42·819	0·80	46.7205	10·0	*	59·131	+16·659	1·20	46.7212	9·6
...	48·170	+18·906	-2	...	...	...	53·826	+18·007	1·30	46.7206	9·6	...	59·456	+15·117	-5	e	...
*	48·298	-1·385	1·20	46.7197	9·7	...	53·873	-24·895	-4	...	...	...	...	...	...	...	...
...	+48·395	+29·243	-5	e	...	...	+54·005	-7·383	-3	...	...	...	...	...	...	...	...
...	48·540	+33·863	0·90	46.7196	9·8	...	54·114	+56·161	0·90	45.7204	9·8	...	...	...	...	...	...
...	48·598	+47·313	-5	...	...	S *	54·178	-36·435	1·55	47.6903	9·3	...	...	...	...	...	...
...	48·823	-5·462	-5	...	...	...	54·354	-18·111	0·80	47.6902	10·2	...	...	...	...	...	...
...	49·167	+19·258	-5	...	...	...	55·135	-0·986	0·65	46.7207	10·4	...	...	...	...	...	...
58 ¹	+49·265	-55·975	-5	...	...	60 ¹	+55·213	+20·951	-4	...	...	...	...	...	...	...	...
...	49·704	-0·950	0·75	46.7200	10·0	...	55·448	+16·862	-4	...	...	...	...	...	...	...	...
*	49·735	+55·291	1·80	45.7202	8·9	...	55·464	-21·943	-2	...	...	...	...	...	...	...	...
...	49·775	+38·157	0·90	46.7198	9·9	...	55·599	+27·153	1·00	46.7208	9·8	...	...	...	...	...	...
...	50·249	-10·723	-3	...	...	...	55·754	-27·119	0·80	47.6904	10·4	...	...	...	...	...	...
S *	+50·451	+53·439	0·95	46.7199	9·8	...	+55·779	-35·098	1·40	47.6905	9·6	...	...	...	...	...	...
...	50·598	+46·269	1·80	46.7201	9·1	...	55·781	-55·173	3·00	47.6906	8·0	...	...	...	...	...	...
*	50·627	-46·898	1·40	47.6898	9·8	...	55·805	-40·603	-2	...	...	...	...	...	...	...	...
...	50·632	+51·581	-1	46.7202	10·2	...	56·277	-12·566	-2	...	...	...	...	...	...	...	...
...	50·697	-20·371	-4	...	...	...	56·329	+1·221	-5	e	...	...	...	...	...	...	...
59 ¹	+51·358	-15·690	1·00	47.6899	9·8	...	+56·336	-5·403	0·90	46.7209	10·0	...	...	...	...	...	...
...	51·484	+16·977	-4	e	...	...	56·674	-48·649	-2	47.6907	10·4	...	...	...	...	...	...
...	51·628	+6·310	-1	...	...	...	57·096	+5·114	-4	...	...	...	...	...	...	...	...
...	51·845	+19·634	-5	e	...	...	57·664	-22·955	-4	...	...	...	...	...	...	...	...
...	52·162	+28·655	0·80	46.7203	10·2	n	58·026	+35·148	-2	46.7210	10·0	...	...	...	...	...	...
...	+52·194	+32·430	-5	e	...	n	+58·164	+34·966	0·75	46.7211	10·4	...	...	...	...	...	...
...	52·398	+39·898	-1	46.7204	10·4	...	58·219	+22·283	-1	46.7211	10·4	...	...	...	...	...	...
...	52·547	-14·687	-3	...	...	...	58·289	+15·438	-1	...	...	...	...	...	...	...	...
...	52·627	-45·980	-1	47.6900	10·2	†	58·335	-15·194	-3	...	...	...	...	...	...	...	...
...	53·129	+11·981	-5	e	...	...	58·827	-40·423	-2	...	...	...	...	...	...	...	...
...

625, 626. C.P.D., suspected double.

I	1-20					21-40					41-60					1904·48	15 ^b 5 ^m
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5		
†	-60·121	+52·226	-5	o	...	...	-57·693	-58·901	-5	o	...	...	-55·762	-56·376	-5	M	...
...	60·081	+30·415	-5	E	...	...	57·673	-32·583	-3	...	...	...	55·689	-14·951	-3	...	...
...	59·996	-27·186	-2	...	...	...	57·645	-48·535	-5	...	...	...	55·664	-20·480	-5	...	...
...	59·858	+40·966	-5	M	...	...	57·433	+16·317	0·70	...	...	...	55·659	+12·816	-5	M	...
*	59·614	-3·513	0·95	46.7188	10·0	*	57·321	-52·736	1·20	47.6890	9·7	*	55·637	+22·532	1·50	46.7194	9·2
...	-59·525	+36·395	0·80	...	...	...	-57·110	+40·616	-2	...	...	...	-55·532	+2·324	-3	E	...
...	59·467	-53·784	-2	47.6886	10·4	...	57·090	+28·061	-3	E	...	...	55·507	-51·409	1·00	47.6892	10·0
...	59·456	-13·888	-3	...	...	...	56·896	+3·774	-5	M	...	...	55·459	+27·559	1·00	46.7195	9·8
*	59·364	+51·288	1·00	46.7190	9·8	...	56·812	+12·768	-2	...	...	...	55·388	-34·876	0·90	47.6893	10·2
*	59·360	+26·793	1·80	46.7189	8·9	...	56·597	+20·364	0·65	...	...	...	55·358	+6·499	1·00	46.7192	9·9
II	-59·160	-18·329	-4	...	...	31	-56·530	-55·816	-1	47.6891	10·4	51	-55·250	+3·513	0·75	46.7193	10·2
...	58·767	-0·921	-5	M	...	...	56·515	+37·814	-5	M	...	†	55·230	+47·223	-4	...	...
...	58·424	-11·759	-3	...	...	*	56·345	+41·482	1·00	46.7191	10·0	*	54·876	+33·783	1·05	46.7196	9·8
...	58·152	-36·421	0·95	47.6888	10·2	...	56·340	-35·128	-5	...	...	...	54·865	+29·160	-3	E	...
...	58·147	-13·096	0·90	47.6889	10·2	...	56·318	-17·582	-3	...	...	...	54·865	-38·701	-5	...	...
...	-58·095	-38·512	0·80	...	...	...	-56·239	-26·422	-5	...	...	...	-54·785	-9·147	-5	...	...
...	58·027	-50·995	0·95	47.6887	10·0	...	55·978	-18·278	-4	...	...	...	54·769	-45·654	-5	M	...
...	57·977	-30·240	-5	...	...	...	55·967	-26·293	-1	...	...	...	54·758	+18·813	0·65	...	...
...	57·899	-3·209	-5	M	...	...	55·922	+3·433	-3	E	...	...	54·715	+6·614	-4	M	...
...	57·703	-4·446	-5	...	...	...	55·845	+32·656	-5	M	...	...	54·551	-54·933	0·65	...	...

MC measured from 1, 101, 195, 279, 350, 413, 467, 533, 592, 656, 730, 809.
ES .. " .. 53, 146, 235, 307, 384, 436, 508, 558, 625, 686, 771, 844.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
61-120																	
61	-54°502	+ 8°286	- 5	M	...	121	-47°659	-24°787	- 4	o	...	181	,	,	,	o	...
...	54°423	-45°459	0°70	...	...	...	47°651	-36°908	- 5	...	...	...	-41°515	-45°212	- 5	M	...
*	54°343	+55°237	1°90	45.7202	8°9	*	47°583	+27°297	0°95	46.7208	9°8	...	41°447	-18°447	1°35	47.6909	9°4
...	54°314	-12°865	0°70	47.6895	10°2	...	47°580	-1°914	- 4	...	...	...	41°401	+21°051	- 5	M	...
*	54°211	-17°074	0°90	47.6896	10°2	...	47°571	-16°506	- 5	...	...	...	41°335	-34°530	1°00	47.6908	9°8
...	-54°198	-12°988	- 3	...	...	...	-47°453	-42°460	- 4	...	...	...	-41°170	+26°185	- 5	M	...
...	54°164	+ 7°052	- 5	M	...	...	47°415	+16°999	- 3	...	...	...	41°144	+22°579	- 3	...	...
*	53°983	- 1°470	1°10	46.7197	9°7	...	47°399	-17°993	0°85	47.6902	10°2	...	40°932	-24°603	- 5	M	...
...	53°816	-55°248	- 5	...	...	...	47°142	- 0°849	0°80	46.7207	10°4	...	40°726	-49°581	0°75	47.6910	10°2
...	53°777	+ 9°368	- 5	M	...	...	47°105	-48°484	- 4	...	...	...	40°608	-50°469	0°65	...	...
71	* -53°773	+38°113	1°05	46.7198	9°9	131	-46°984	-36°318	1°55	47.6903	9°3	191	-40°479	-28°004	0°80	47.6911	10°4
...	53°772	+19°212	- 4	...	...	...	46°252	+39°874	- 5	M	...	...	40°457	-53°249	- 5	...	...
...	53°562	+53°415	1°05	46.7199	9°8	...	46°139	-21°797	- 1	...	...	...	40°388	-7°545	- 2	...	...
...	53°552	-58°389	- 1	...	...	...	46°120	-43°595	- 5	M	...	...	40°333	-31°531	0°65	...	...
...	53°410	-27°192	- 4	...	...	...	46°056	-27°261	- 4	...	...	...	40°132	+26°008	- 5	M	...
...	-53°337	- 5°526	- 3	...	...	...	-46°037	+ 1°389	- 4	E	...	...	-40°125	+ 0°792	- 4	M	...
S *	53°329	+51°561	0°95	46.7202	10°2	*	45°798	- 5°235	0°95	46.7209	10°0	...	40°080	-32°161	- 5	...	...
53°198	+46°239	1°80	46.7201	9°1	...	45°690	-26°959	0°80	47.6904	10°4	...	39°779	+50°985	0°85	46.7215	10°4	
52°906	-18°469	- 5	...	...	...	45°651	+11°037	- 5	M	...	n	39°765	+45°247	- 3	...	...
S *	52°747	-53°688	2°55	47.6897	8°3	...	45°643	-12°393	- 1	...	...	n†	39°581	+45°055	- 2	46.7216	10°2
81	...	...	...	...	...	141	...	...	...	...	...	201	...	...	...	...	...
...	-52°664	-58°797	- 1	...	...	*	-45°418	-34°927	1°10	47.6905	9°6	...	-39°378	+50°222	- 3	...	...
...	52°586	- 0°999	0°85	46.7200	10°0	n	45°416	+35°365	- 1	46.7210	10°0	...	39°170	+35°954	- 3	...	...
...	52°555	-39°479	- 5	...	...	...	45°383	+ 5°297	- 3	...	...	...	39°107	+ 7°485	- 1	46.7217	10°2
...	52°292	+29°285	- 5	M	...	n†	45°288	+35°183	0°80	46.7210	10°0	...	39°056	- 6°047	- 2	...	...
...	52°112	-29°984	- 5	...	...	†	45°205	-40°433	- 1	...	...	...	39°007	-52°661	- 1	...	...
...	-51°735	-10°751	- 4	...	...	...	-45°018	+33°184	- 3	A	...	...	-39°04	- 4°065	- 5	...	...
...	51°382	+16°979	- 3	E	...	...	44°943	+32°762	- 4	A	...	...	38°938	+49°615	- 4	B	...
...	51°270	-56°016	- 3	...	...	...	44°901	+ 3°516	- 5	M	...	...	38°886	+32°523	- 3	A	...
...	51°196	+14°913	- 5	M	...	...	44°819	+22°507	0°65	46.7211	10°4	...	38°844	-38°846	0°85	47.6913	10°2
†	51°192	+39°934	0°70	46.7204	10°4	*	44°769	-55°005	2°80	47.6906	8°0	...	38°811	+40°065	- 5	M	...
91	...	...	...	...	...	151	...	...	...	...	...	211	...	...	...	...	...
...	-51°170	+32°446	- 5	E	...	...	-44°541	+15°673	0°65	...	...	†	-38°616	+10°129	- 4	M	...
...	51°121	+18°276	- 5	M	...	...	44°379	+31°203	- 4	E	...	...	38°487	-51°975	- 4	...	...
...	51°100	+19°651	- 4	E	...	...	44°150	+30°497	- 5	M	...	*	38°471	-47°101	1°30	47.6914	9°7
...	51°073	+28°682	0°80	46.7203	10°2	...	44°076	-48°456	0°80	47.6907	10°4	...	38°345	+ 5°507	- 5	M	...
...	50°976	-20°376	- 4	...	...	...	43°911	-22°723	- 4	...	...	...	38°267	+56°019	- 4	A	...
...	-50°885	+ 6°329	- 2	...	...	...	-43°876	+47°498	- 5	M	...	...	-38°220	+58°936	- 1	...	...
...	50°511	+ 6°770	- 5	M	...	...	43°839	+38°097	- 5	M	...	...	37°861	-54°789	1°10	47.6915	9°7
...	50°478	-21°872	- 5	...	...	...	43°793	+15°800	- 3	...	...	*	37°809	-18°756	0°90	47.6916	10°2
*	50°448	-15°678	1°05	47.6899	9°8	*	43°727	+16°914	1°15	46.7212	9°6	*	37°783	+11°599	0°90	46.7218	9°7
+	50°194	-46°903	1°15	47.6898	9°8	...	43°531	-28°321	- 5	M	...	...	37°313	- 1°689	- 2	...	...
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...
...	-50°034	+23°467	- 5	M	...	...	-43°510	-14°954	- 3	...	...	...	-37°271	+10°198	0°75	46.7219	10°2
*	50°012	+56°249	0°95	45.7204	9°8	†	43°421	+59°922	0°65	45.7207	10°1	...	37°070	-16°531	0°70	...	...
...	49°949	+15°996	- 5	M	...	...	43°421	+15°726	- 5	M	...	...	36°766	+33°284	- 3	A	...
...	49°892	+42°901	0°90	46.7205	10°0	...	43°355	+15°382	- 5	E	...	...	36°627	-55°084	- 4	...	...
†	49°880	-49°757	- 4	...	...	...	43°209	-57°366	- 5	...	...	...	36°578	+42°767	- 4	M	...
...	-49°585	+12°040	- 3	E	...	*	-43°179	+45°649	1°35	46.7213	9°3	...	-36°513	-31°050	- 1	...	...
...	49°494	+14°551	- 4	M	...	...	43°116	-33°520	- 4	...	...	*	36°362	-59°276	2°00	47.6917	8°7
...	49°476	-41°156	- 5	...	...	...	43°058	+37°364	- 5	M	...	...	36°277	- 9°045	- 2	...	...
...	49°316	-14°622	- 2	...	...	...	42°936	-17°148	- 5	...	...	*	36°273	-27°010	2°00	47.6918	8°7
...	49°284	-16°529	- 5	M	...	...	42°905	-30°256	- 5	...	...	...	36°105	+12°122	- 4	M	...
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...
...	-49°247	-39°311	- 5	...	...	...	-42°615	+24°957	- 3	...	...	...	-35°993	- 0°052	- 5	M	...
*	49°085	+18°111	1°10	46.7206	9°6	...	42°382	+ 6°822	- 5	M	...	...	35°728	+11°031	0°80	46.7220	9°7
...	48°560	+ 9°383	- 4	M	...	...	42°347	+ 5°276	- 3	...	...	...	35°688	-46°014	- 5	M	...
...	48°506	-20°393	- 5	...	...	†	42°285	+ 0°144	- 2	...	...	*	35°562	-42°766	1°00	47.6919	10°2
*	48°211	-45°903	0°95	47.6900	10°2	...	42°197	-40°155	0°70	...	...	...	34°910	+55°555	- 1	45.7216	10°2
...	-48°087	- 7°279	- 2	...	...	...	-42°184	- 6°894	- 4	...	...	...	-34°906	+26°700	- 5	M	...
*	48°022	-21°187	1°10	47.6901	9°6	...	42°105	+20°676	- 5	M	...	...	34°865	+12°245	- 5	M	...
...	47°943	-30°287	- 2	...	...	...	42°020	+51°055	- 5	M	...	...	34°687	-45°874	- 5	...	...
...	47°776	+21°087	- 2	...	...	...	41°795	-27°784	- 5	M	...	...	34°458	+16°964	- 5	M	...
...	47°660	+ 4°945	- 4	M	...	...	41°687	+ 2°446	- 1	46.7214	10°4	...	34°296	+ 5°591	- 4	...	...

142, 144. C.P.D., suspected double.
199, 200. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
241-300										301-360									
241	-34.094	-46.258	-5	o	...	301	-25.893	+53.032	-3	o	...	361	-17.877	-19.073	-5	o	...		
...	34.079	-28.551	-2	...	...	...	25.755	+36.271	-3	A	...	...	17.772	+0.357	1.00	46.7234	9.6
...	33.961	-5.681	-4	...	...	...	25.755	+17.943	-2	...	...	...	17.639	+16.368	-5	M	...
...	33.852	+27.569	-5	M	...	...	25.646	+35.029	-3	...	...	*	17.628	-39.368	1.00	47.6932	9.6
...	33.651	-52.097	0.70	47.6920	10.4	...	25.628	-1.031	-4	...	...	...	17.595	+52.050	-3	A	...
...	-33.425	-51.863	-2	...	...	...	25.273	+15.529	0.90	46.7226	9.8	*	-17.585	-15.670	0.90	47.6933	9.8
...	33.343	-34.184	-5	...	...	...	24.741	+0.758	-5	M	...	...	17.487	-2.858	-5	...	...
*	33.172	-9.035	0.95	47.6922	9.7	...	24.627	+56.631	-3	...	...	...	17.337	-1.881	-3	...	...
n *	33.101	-55.773	1.25	47.6921	9.0	...	24.549	+38.241	-4	M	...	...	17.238	+19.983	-1	46.7235	10.1
...	32.988	+0.783	-5	M	...	...	24.453	+31.981	0.75	46.7227	9.8	...	16.956	-0.339	-5	M	...
251	-32.974	-37.369	-5	...	...	311	-24.416	+0.627	-5	M	...	371	-16.821	+20.148	-3	...	...
+	32.949	-39.752	-5	...	...	...	24.174	+52.565	-4	M	...	*	16.599	-28.025	1.40	47.6934	9.0
n *	32.945	-55.716	1.05	47.6921	9.0	...	24.143	-57.294	-3	...	...	...	16.392	+48.184	-4	M	...
...	32.852	-13.918	-4	...	...	...	24.136	+23.517	-5	M	...	...	16.379	-32.076	-3	...	...
...	32.699	-26.444	-5	...	...	...	24.030	-16.725	-3	...	...	...	16.298	-48.542	-3	...	...
...	32.600	-34.107	-5	...	...	...	24.002	-34.810	-5	...	...	...	-16.159	+51.518	0.80	...	...
...	32.494	+3.016	-4	M	...	...	23.960	-6.137	-5	...	...	...	16.093	-14.893	-5	...	...
...	32.412	-49.312	-5	...	...	...	23.890	+26.534	-1	46.7228	10.1	...	15.822	-11.268	0.80	47.6935	9.9
...	32.386	+59.361	-2	45.7220	10.2	...	23.883	+24.508	-2	...	...	...	15.595	-48.333	-3	...	...
...	32.384	-5.576	-4	...	...	...	23.793	-36.983	-5	...	...	...	15.506	+2.802	-3	...	...
261	-31.894	+22.245	-5	M	...	321	-23.710	+21.628	-4	...	...	381	-15.442	-28.486	-5	...	...
...	31.860	-55.572	-4	...	...	...	23.572	-58.762	-5	...	...	...	15.387	+48.197	-4	M	...
...	31.739	+44.041	-2	...	...	...	23.549	-55.848	-5	...	...	...	15.365	-50.728	-4	...	...
...	31.655	+4.691	0.70	46.7221	9.8	...	23.367	-28.942	-3	...	...	...	15.179	-52.596	-5	...	...
...	31.621	-1.597	-5	...	...	...	23.274	+40.395	-4	M	...	...	15.030	+31.395	-3	...	...
S *	31.601	+3.859	1.20	46.7222	9.0	...	23.195	-23.512	-5	...	...	...	-14.878	+43.712	-5	M	...
...	31.487	+3.458	-5	M	...	...	23.128	-32.313	-5	...	...	...	14.630	-41.366	0.65	47.6936	10.2
...	31.405	-19.080	-4	...	...	...	23.096	+42.377	-5	M	...	...	14.418	+58.626	-3	...	...
...	31.350	+26.487	-4	M	...	...	23.046	+4.556	-5	M	...	...	14.109	+38.744	-5	M	...
...	31.331	-7.686	-3	...	...	...	22.868	+52.966	-3	...	...	...	14.092	+47.571	-5	M	...
271	-31.230	+18.976	-3	331	-22.756	+40.950	-2	46.7229	10.2	391	*	-14.048	-13.872	1.60	47.6937	9.0	
...	30.961	+47.779	-2	...	...	...	22.547	-38.803	-5	...	...	...	13.967	-22.056	-5	...	...
...	30.734	-35.966	-4	...	...	...	22.346	-15.512	-5	...	...	...	13.875	-42.161	-3	...	...
...	30.527	+1.202	-5	M	...	...	22.288	+46.524	-2	...	...	...	13.801	+21.682	-3	46.7236	10.1
...	30.472	+25.424	-4	...	...	...	22.241	+50.334	-5	M	...	...	13.739	-22.246	0.80	47.6938	9.8
...	30.371	+51.519	-5	M	...	...	21.972	-20.203	-4	...	...	...	-13.539	-38.588	-5	...	...
...	30.370	+55.740	-4	M	...	...	21.953	+27.169	-2	...	...	...	13.204	+58.169	0.85	45.7240	10.0
+	30.261	-42.639	-2	...	*	...	21.828	-20.135	1.10	47.6928	9.6	...	13.078	-39.962	-5	...	...
+	30.223	-43.328	1.00	47.6923	9.7	...	21.827	+33.241	-5	M	...	...	12.832	+21.294	-5	M	...
...	29.714	+4.075	-4	M	...	...	21.791	-22.609	0.95	47.6927	9.6	...	12.811	+4.609	-4	M	...
281	-29.619	+45.006	-5	M	...	341	-21.275	-19.657	-4	...	...	401	-12.445	+19.524	0.80	46.7237	9.8
S *	29.473	-45.398	1.80	47.6924	8.0	...	21.261	-39.151	-5	...	...	...	12.189	+25.995	-5	M	...
*	29.378	+2.776	1.10	46.7223	9.4	...	21.178	-36.562	0.75	47.6929	10.0	...	12.051	+48.189	-5	M	...		
...	29.284	-14.962	-3	...	...	...	20.934	+32.171	0.65	46.7230	10.2	...	11.855	-53.640	-2	...	...
...	29.168	-5.296	-5	M	...	...	20.829	-17.012	-4	...	...	*	11.835	-16.274	1.50	47.6939	9.2
...	28.554	-11.526	-3	...	...	...	20.731	+13.265	0.95	46.7231	9.7	...	-11.735	-44.120	-5	...	...
...	28.542	+37.338	-1	...	...	...	20.347	+38.276	-3	...	...	...	11.610	+24.361	0.75	46.7238	9.8
...	28.315	+26.847	-5	M	...	...	20.320	-46.412	-5	...	...	...	11.528	+5.797	-5	M	...
...	27.402	-34.531	-3	...	...	...	20.310	-52.873	-5	...	...	...	11.518	+39.218	-4	M	...
...	27.342	-45.042	-3	...	...	...	20.062	-2.558	-5	...	...	...	10.589	+40.637	0.65	46.7239	10.0
291	*	-27.273	+51.915	1.10	46.7224	9.4	...	-20.020	+42.031	-4	M	...	411	-10.570	+57.300	0.75	45.7244	10.2	
...	27.167	+30.097	-3	A	...	...	19.653	-3.004	-5	...	...	...	10.443	-6.902	-5	M	...
...	26.971	-2.703	-1	...	*	...	19.346	+7.571	0.90	46.7232	9.7	...	9.953	-46.467	-5	...	...
...	26.935	+14.430	-4	...	...	...	19.064	-26.904	-3	...	...	...	9.501	+22.281	-4	...	...
...	26.895	-34.248	-3	...	...	...	18.948	+45.350	-3	A	...	...	8.633	+59.727	0.90	45.7249	9.8
...	-26.421	-2.973	-1	...	*	...	-18.817	-15.891	0.95	47.6931	9.6	...	-8.566	-58.272	-3	...	...
...	26.400	-36.236	0.95	47.6926	9.8	...	18.780	-39.996	-4	...	...	...	8.558	+26.867	-3	46.7240	10.2
*	26.392	+27.955	0.90	46.7225	9.7	...	18.667	+13.285	-1	46.7233	10.2	*	8.151	+31.892	1.00	46.7241	9.4		
+	26.238	+50.020	-5	M	...	...	18.344	-33.679	-3	...	...	...	8.055	-57.445	-5	m	...
...	25.968	+56.644	0.90	45.7224	10.0	...	18.112	+7.246	-3	...	...	...	7.920	-8.548	0.90	47.6942	9.9

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
421-480																		
421	- 7.917	- 32.630	- 5	o	m	...	+ 1.085	+ 45.323	o.75	46.7254	10.2	541	+ 11.664	- 23.828	o.65	47.6956	10.2	
...	7.631	+ 24.986	- 3	m	...	...	1.178	- 47.222	- 3	...	...	...	11.750	+ 51.470	- 3	...	...
...	7.443	+ 18.433	- 5	M m	...	...	1.264	- 13.462	- 4	...	...	...	11.858	- 46.130	- 5	...	...
...	7.294	+ 7.689	- 2	m	...	...	1.501	+ 4.960	- 4	M m	...	...	11.909	+ 21.981	- 5	m	...
...	7.293	- 0.631	-- 3	...	...	...	1.655	+ 54.817	- 5	M m	...	...	12.011	+ 35.269	- 5	m	...
...	- 7.172	- 1.905	- 3	...	...	...	+ 1.783	+ 1.405	o.70	46.7255	9.9	...	+ 12.101	- 6.626	- 5	m	...
...	6.945	- 10.824	o.85	47.6943	9.8	...	1.895	+ 38.491	- 1	...	*	...	12.106	+ 44.081	o.95	46.7264	9.4	
...	6.434	- 54.626	o.75	47.6944	10.2	...	2.243	+ 47.026	o.75	46.7256	10.0	...	12.330	- 0.381	- 4	...	...
...	6.397	+ 8.409	- 3	B m	...	...	2.278	- 49.300	- 1	...	...	...	12.355	- 48.989	- 5	m	...
...	6.001	- 44.230	o.65	47.6945	10.2	...	2.355	- 37.400	- 3	...	...	...	12.758	- 53.677	- 5	...	...
431	- 5.673	- 54.651	- 5	m	...	491	+ 2.455	+ 46.430	1.10	46.7257	9.4	551	+ 12.914	+ 29.017	o.75	46.7265	10.1	
...	5.661	+ 2.857	- 4	M m	...	...	2.516	- 55.801	- 1	...	...	...	12.980	- 17.270	o.80	46.7266	9.8
...	5.577	+ 5.308	- 5	M m	...	*	2.563	- 5.719	1.00	47.6948	9.6	...	13.141	- 48.746	o.70	46.6957	10.2	
...	5.438	- 28.622	- 4	...	...	...	2.857	+ 24.365	- 5	M m	...	...	13.732	+ 36.858	- 5	m	...
†	5.331	- 41.185	- 1	...	...	...	3.214	- 54.267	- 3	...	*	...	13.747	+ 11.178	1.10	46.7267	9.4
...	- 5.245	+ 32.541	o.70	46.7242	9.8	...	+ 3.215	- 29.862	- 4	...	N	+	14.051	- 25.822	- 1	d	...	
...	5.132	+ 37.839	- 4	M m	...	...	3.299	- 51.995	- 3	...	...	...	14.446	+ 57.567	- 5	...	...
...	5.097	+ 14.203	- 5	M m	...	†	3.581	- 54.785	1.00	47.6949	9.4	...	14.778	- 5.647	o.75	46.7268	10.1	
...	5.043	+ 39.460	- 5	M m	...	...	3.614	+ 35.146	- 4	M	...	...	15.096	- 8.266	- 5	...	...
...	4.424	- 55.717	- 5	...	...	...	3.780	- 8.076	- 4	...	...	...	15.136	- 35.083	- 5	...	...
441	- 4.349	+ 33.586	- 5	M m	...	501	+ 3.959	- 38.820	o.65	...	...	561	+ 15.177	- 30.876	- 2	47.6958	10.2
...	4.067	+ 26.760	- 5	M m	...	...	4.054	+ 30.116	- 5	M m	...	...	15.232	+ 25.454	- 5	...	...
...	3.741	+ 53.759	- 5	M	...	...	4.282	- 56.840	- 3	...	...	...	15.287	+ 59.857	o.80	45.7264	9.8
...	3.715	- 23.140	- 5	...	...	*	4.299	- o.177	1.10	46.7258	9.6	...	15.396	- 21.169	- 5	...	...
...	3.536	+ 6.353	- 5	M m	...	...	4.364	- 17.846	c.85	47.6950	9.8	...	15.423	+ 8.811	- 5	m	...
...	- 3.374	- 58.609	- 5	...	...	...	+ 4.577	- 55.165	- 3	...	...	...	+ 15.562	- 33.724	- 5	...	...
...	3.205	+ 18.380	- 3	...	...	†	4.599	+ 34.640	- 2	...	...	...	15.909	+ 29.384	- 4	...	...
*	3.141	+ 4.449	1.10	46.7243	9.4	...	4.853	- 53.573	-- 2	...	...	...	15.911	+ 14.355	- 5	m	...
*	2.937	+ 2.297	1.00	46.7244	9.7	*	5.599	- 8.564	1.10	47.6951	9.7	...	16.179	- 12.779	- 5	...	...
...	2.712	- 1.493	- 5	m	...	...	5.798	- 23.171	- 5	...	...	...	16.246	+ 59.969	- 3	...	...
451	- 2.465	+ 55.389	- 5	M m	...	511	8 *	+ 5.871	- 50.401	3.30	47.6952	7.3	571	+ 16.438	+ 57.586	o.80	45.7266	10.0
...	2.432	+ 18.734	- 2	46.7246	10.1	...	5.934	+ 19.874	- 5	M m	...	...	16.518	- 36.108	- 4	...	...
...	2.413	- 32.134	- 3	...	...	...	6.217	- 16.578	- 5	m	...	...	16.520	+ 20.664	- 1	46.7269	10.1
...	2.398	+ 44.908	- 5	M m	...	...	6.336	+ 42.316	- 4	...	...	...	16.586	- 22.395	- 2	47.6960	10.2
αf	2.398	+ 0.339	- 1	46.7245	10.1	...	7.182	- 46.993	- 5	m	...	...	16.645	- 52.466	- 3	...	...
*	2.314	+ 45.150	- 3	...	...	...	+ 7.720	+ 30.698	- 5	M m	...	...	+ 16.676	- 30.401	- 3	...	...
*	2.031	+ 21.358	1.05	46.7247	9.6	...	7.795	+ 8.482	- 5	M m	...	...	16.779	- 54.506	- 5	m	...
...	1.744	+ 48.251	- 3	...	...	...	7.893	+ 27.533	- 5	M m	...	*	16.906	- 41.571	o.95	47.6961	9.6
...	1.711	+ 7.921	- 4	M m	...	...	7.938	- 12.168	- 3	...	...	...	17.112	- 44.869	- 3	...	...
...	1.503	- 9.000	- 5	...	...	...	8.070	+ 36.826	1.70	46.7259	8.7	...	17.275	- 37.157	- 4	...	...
461	- 1.308	+ 34.246	- 3	...	...	521	+ 8.117	- 5.200	o.65	46.7260	10.0	581	+ 17.590	+ 47.704	- 5	m	...
...	1.251	+ 53.425	o.75	46.7248	9.8	...	8.145	+ 54.259	- 5	m	...	...	17.907	+ 42.298	- 5	m	...
αf†	1.117	+ 0.152	- 2	46.7249	10.1	...	8.243	+ 39.322	- 5	...	...	...	18.287	- 2.941	- 5	...	...
S *	0.979	+ 16.416	1.00	46.7250	9.4	*	8.259	- 34.249	o.90	47.6954	9.7	...	18.409	+ 20.429	- 5	m	...	
...	0.601	- 20.953	- 5	...	...	*	8.278	- 35.180	1.30	47.6953	9.0	...	18.442	- 32.865	- 3	...	...
...	0.426	- 49.073	- 2	...	...	...	+ 8.316	- 41.519	- 4	...	...	...	+ 18.660	- 55.989	o.90	47.6962	9.8
...	0.252	+ 43.145	- 3	...	...	...	8.714	- 4.308	- 5	...	...	...	18.955	+ 34.362	- 2	...	...
*	0.247	+ 36.723	1.00	46.7251	9.2	...	8.863	+ 24.772	- 3	...	...	...	19.086	- 36.626	- 5	...	...
...	0.208	- 37.678	- 3	...	...	*	9.272	+ 28.904	1.60	46.7261	8.8	...	19.292	- 31.600	- 5	...	...
...	0.176	+ 14.451	- 4	M m	...	...	9.408	- 49.434	- 5	...	...	...	19.366	- 24.220	o.70	47.6963	10.0
471	- 0.171	+ 22.500	- 5	M m	...	531	+ 9.550	- 46.399	- 4	...	...	...	+ 19.564	+ 15.936	- 4	m	...
S *	0.062	+ 37.628	1.75	46.7252	8.6	†	9.620	- 55.246	- 5	...	...	...	20.167	- 1.526	- 4	...	...
S *	- 0.028	- 12.013	2.50	47.6946	8.2	*	9.761	- 50.511	o.95	47.6955	9.6	...	20.189	- 3.296	- 1	46.7270	10.2	
...	+ 0.013	+ 29.265	- 5	M m	...	...	10.339	- 25.497	-- 4	...	...	...	20.345	+ 2.120	- 1	...	...
...	0.417	- 55.728	- 4	...	...	...	10.711	+ 32.143	- 4	...	...	...	20.437	- 33.071	- 5	...	...
...	+ 0.424	+ 17.107	- 4	M m	...	*	+ 10.780	+ 32.887	1.20	46.7262	9.2	...	+ 20.533	+ 6.315	- 2	46.7271	10.1	
...	0.445	+ 9.466	- 5	M m	...	...	11.103	+ 8.167	- 1	...	...	...	20.537	+ 50.892	- 3	...	...
...	0.845	+ 14.484	- 3	B m	...	...	11.152	- 53.715	- 3	...	...	...	20.790	- 21.005	- 4	...	...
*	0.924	- 7.214	1.00	47.6947	9.6	...	11.245	+ 15.295	- 5	m	...	...	20.901	- 43.078	- 5	...	...
...	0.937	+ 9.633	o.85	46.7253	10.0	*	11.496	+ 51.509	1.00	46.7263	9.6	...	21.170	+ 39.629	o.75	46.7272	9.9	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
601-660																		
601	+21.359	+18.745	0.80	46.7273	10.0	661	+30.847	+55.468	-4	...	...	721	+39.161	-16.147	--2	47.6984	10.2
...	21.536	+25.351	-3	...	...	...	31.048	+4.908	-5	m	...	...	39.206	-34.930	0.80	47.6985	9.9
...	21.579	+38.917	-4	b	...	...	31.147	-3.746	-3	...	...	*	39.215	+1.684	0.90	46.7286	9.7
...	21.744	+37.479	-3	...	...	...	31.176	-13.590	0.90	47.6974	10.0	...	39.343	-44.341	-4	...	...
...	21.988	-26.001	-3	...	...	...	31.242	+16.702	-4	m	...	...	39.370	-19.093	-5	...	...
...	+21.989	+57.310	-3	...	...	...	+31.416	+23.221	-3	...	...	...	+39.393	+23.965	-5	...	...
...	22.197	-4.999	-5	m	...	...	31.465	+40.144	-5	m	...	...	39.451	-31.025	-5	...	...
...	22.232	-55.512	-4	a	...	...	31.669	-39.435	0.70	47.6975	10.2	...	39.498	-44.362	-4	...	...
...	22.245	+28.044	-3	...	...	...	31.863	+49.667	-5	m	...	...	39.516	-1.708	-4	...	...
...	22.654	-39.292	-2	...	...	...	32.150	+50.450	-5	m	...	S+	39.739	-42.349	3.60	47.6987	7.5
611	+22.767	+3.581	-2	...	...	671	+32.160	+54.157	-4	m	...	...	+39.832	-42.146	-4	...	...
...	22.796	+51.444	-4	...	...	...	32.446	+31.412	-4	m	...	...	39.896	+42.797	-5	...	...
...	22.908	+28.225	-5	m	...	...	32.457	-39.483	-3	...	...	...	39.930	-30.046	-1	47.6988	10.2
...	22.964	+28.280	-5	m	...	...	32.566	-26.909	0.65	47.6976	10.2	...	39.945	+41.560	-5	...	...
*	23.083	-52.942	1.00	47.6964	9.6	N	32.747	-28.350	-5	...	...	...	39.972	+0.761	-5	m	...
*	+23.167	+22.924	0.95	46.7274	9.8	...	+32.852	+24.646	-3	...	...	...	+40.059	-52.573	-5	m	...
*	23.259	+25.238	0.90	46.7275	9.4	...	33.278	+41.318	-4	...	...	...	40.162	-23.710	-5	m	...
...	23.262	-58.906	-4	...	...	...	33.279	-1.135	-5	...	...	...	40.235	-49.281	-3	...	...
...	23.264	-20.660	-4	...	...	...	33.492	+19.241	-5	m	...	*	40.259	+55.133	1.40	45.7293	9.0
...	23.322	+48.336	-1	...	...	...	33.514	+6.177	-5	m	...	...	40.465	-48.578	-4	...	...
621	+23.618	+7.566	-3	...	...	681	+33.580	+27.731	-4	...	...	741	+40.593	+8.024	1.20	46.7287	9.2
†	23.890	-14.780	-4	...	...	...	34.142	+23.794	-5	m	...	...	40.650	+37.923	-5	m	...
...	23.969	-37.633	-3	...	...	...	34.181	-30.552	-2	...	...	...	40.850	-49.340	-5	m	...
...	24.148	-4.239	-5	m	...	...	34.210	+31.977	-4	m	...	...	41.198	-34.352	-4	m	...
...	24.668	+54.705	-5	m	...	...	34.583	-6.018	-4	...	...	...	41.216	-2.267	-4	...	...
...	+24.709	-34.366	0.75	47.6965	9.8	S*	+34.781	+47.935	1.60	46.7281	8.9	S*	+41.468	+12.579	2.25	46.7288	7.8	
...	24.761	+12.731	0.70	46.7276	10.0	...	34.896	-55.875	-5	...	...	...	41.664	-50.103	0.75	47.6989	10.2
*	25.042	-9.263	1.90	47.6966	8.6	...	35.288	+42.054	-5	m	...	...	42.006	+38.138	-5	m	...
...	25.071	-30.286	0.65	47.6967	9.8	...	35.324	-52.726	-1	47.6978	10.1	...	42.070	+21.024	0.80	46.7289	9.9	
...	25.159	+51.948	-4	...	...	...	35.330	-46.785	-2	...	...	...	42.392	-32.972	-2	...	...
631	+25.372	+43.462	-5	m	...	691	+35.500	+17.892	0.95	46.7282	9.7	751	+42.426	+36.765	-2	...	...
...	25.376	+11.468	-2	46.7277	10.2	...	35.513	-34.476	-3	...	...	...	42.455	-22.522	0.65	47.6990	10.2
...	25.684	-58.578	-5	...	...	...	35.701	-57.024	-5	m	...	...	42.507	+4.442	0.80	46.7290	9.8
...	25.952	-3.395	-5	m	...	...	35.885	-27.996	0.80	47.6979	9.7	...	42.733	-58.408	0.80	47.6991	10.0
*	25.984	-55.900	1.15	47.6968	9.6	...	35.892	+16.764	-5	m	...	...	42.826	-1.438	-4	...	...
*	+26.089	+48.479	1.15	46.7278	9.4	...	+36.559	+5.413	-4	m	...	...	+42.964	+34.454	-5	m	...
...	26.113	-23.231	-5	...	...	...	36.648	-12.666	-5	...	...	...	42.980	-33.235	-4	m	...
...	26.242	+27.973	-4	...	...	...	36.823	-39.899	1.05	47.6980	9.6	...	43.047	-55.767	-5	m	...
...	26.247	-0.791	-5	...	...	...	36.948	-2.029	-5	...	...	...	43.056	+3.171	-4	e	...
...	26.269	-45.539	-5	...	...	...	37.074	+3.071	-5	m	...	...	43.386	+41.467	-1	46.7291	10.2
641	+26.631	+20.114	3.80	46.7279	7.6	701	+37.153	+11.490	0.75	46.7283	9.8	761	+43.425	-55.184	-4	...	...
...	26.761	+48.104	-4	...	...	...	37.155	-45.707	-2	47.6981	10.2	...	43.542	-44.796	-4	...	...
*	26.821	-35.966	0.90	47.6969	9.6	...	37.229	+32.734	-5	...	...	*	43.565	+44.519	1.60	46.7292	9.0
...	27.160	+8.613	-5	m	...	...	37.284	+36.775	-5	m	...	...	43.610	-7.783	-3	...	...
...	27.374	-37.225	-4	...	...	...	37.362	+32.909	-5	m	...	...	43.747	-40.703	3.00	47.6992	7.2
...	+27.601	-31.676	0.75	47.0970	9.8	...	+37.545	-47.324	-5	...	...	...	+43.902	+37.884	-5	m	...
...	27.766	+40.299	--5	m	...	...	37.556	+54.448	-5	m	...	...	44.330	-16.487	-5	...	...
...	27.794	+47.438	-4	...	...	...	37.774	-26.111	-5	...	...	...	44.459	+56.042	-1	45.7297	9.9
...	27.860	-32.359	-5	...	...	...	37.793	+16.027	-1	46.7284	10.2	...	44.484	+36.395	-5	m	...
...	28.180	-39.611	-3	...	...	...	37.885	-48.101	1.20	47.6983	9.2	...	44.549	+28.661	-4	...	...
651	+28.883	-1.635	-5	711	+37.925	-35.065	0.65	47.6982	10.2	771	+44.623	-42.023	-4	...	47.6993	10.1
...	29.095	+21.640	0.70	46.7280	9.8	...	37.967	+26.430	-5	m	...	...	44.655	-41.921	-3	...	...
*	29.249	-56.217	1.15	47.6971	9.4	...	38.055	-44.064	-5	m	...	...	44.892	-41.931	-5	m	...
...	29.370	+53.921	-4	...	...	...	38.289	+16.627	-5	m	...	...	45.055	+47.002	-3	...	...
...	29.495	+49.259	-4	...	...	...	38.601	+3.495	-5	m	...	...	45.094	+12.073	-3	...	...
...	+29.908	+21.110	-4	...	...	...	+38.648	+26.265	-4	...	...	...	+45.109	+43.672	0.80	46.7293	9.8
*	30.463	-22.253	1.40	47.6972	8.8	*	38.940	+32.272	1.50	46.7285	9.0	...	45.253	+22.815	-5	m	...	
†	30.702	+59.926	0.90	45.7284	9.8	...	39.084	+10.202	-5	m	...	...	45.498	-46.470	-1	...	...
*	30.732	-5.957	0.90	47.6973	9.8	...	39.125	-7.712	-5	m	...	...	45.535	-37.658	-5	n	...
...	30.833	-28.309	-4	...	...	...	39.146	-39.222	-2	...	...	...	45.688	+51.649	-5	m	...

675. Brighter of double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
781-820																	
781	+45°800	+36°717	-5	m	...	821	+51°495	+19°353	-4	...	...	861	+56°129	+59°522	-1	45°7313	10°2
...	46°020	-29°311	0°70	47.6995	9°9	...	51°575	+32°061	0°70	46.7301	10°1	...	56°254	+18°390	-5	m	...
...	46°108	+23°052	-2	46.7294	10°2	*	51°578	-49°353	1°00	47.7003	9°4	...	56°288	+26°276	-4	...	...
...	46°137	-34°306	-2	...	...	...	51°598	-36°913	-3	...	...	...	56°293	+16°608	0°75	46.7308	9°7
...	46°160	-35°5498	-4	...	...	...	51°987	+21°993	-4	e	...	...	56°341	+12°914	-3	...	...
...	+46°571	-52°630	-4	...	...	...	+52°071	+37°207	-4	m	...	...	+56°393	+30°340	-4	...	...
...	46°804	-6°806	-3	...	...	...	52°163	+7°817	-5	m	...	...	56°506	-21°811	-4	...	...
...	46°933	+2°553	-5	m	...	...	52°313	-23°804	-2	...	...	...	56°743	+8°563	0°75	46.7309	9°9
*	47°038	+46°977	1°35	46.7295	9°2	...	52°529	-17°363	-3	...	...	...	56°747	+55°928	-5	...	...
...	47°065	+14°633	-1	...	...	...	52°532	+6°373	-5	m	...	...	56°747	+5°791	-1	46.7310	10°1
791	*+47°134	-19°942	2°20	47.6997	8°4	831	+52°587	+0°863	-4	e	...	871	+56°873	+14°018	-5	e	...
...	47°208	-55°623	1°25	47.6998	9°6	...	52°625	-0°079	-5	m	...	*	56°908	+14°963	0°90	46.7311	9°6
...	47°211	+19°874	-5	m	...	...	52°944	-35°384	-5	m	...	*	57°011	-51°701	1°05	47.7008	9°6
...	47°223	-4°234	-5	m	...	*	53°028	-56°130	1°20	47.7004	9°0	...	57°083	+5°279	-5	e	...
...	47°540	-33°361	-5	m	...	...	53°132	-4°480	-4	...	...	...	57°097	-7°541	-4	e	...
...	+47°876	+23°439	-2	46.7296	10°2	...	+53°179	+18°241	-4	m	...	...	+57°241	+23°668	-5	m	...
...	48°029	-30°776	-5	...	...	...	53°191	+4°983	-3	e	...	...	57°278	-24°473	-5	...	...
...	48°272	+43°340	0°75	46.7297	10°0	...	53°206	-42°263	-1	...	...	...	57°279	+20°313	-5	m	...
...	48°390	+40°698	0°65	46.7298	10°2	...	53°360	+10°715	-3	...	...	...	57°654	+43°957	-5	m	...
...	48°440	+26°173	--4	e	...	...	53°724	+31°049	0°90	46.7302	9°7	...	57°798	+7°951	-5	m	...
801	+48°617	+20°731	-2	...	...	841	+53°837	-0°926	-1	46.7303	10°2	881	+57°830	-26°628	-5	m	...
...	48°679	+33°730	-4	...	...	*	53°886	-47°105	1°20	47.7005	9°0	*	58°067	-25°483	1°05	47.7009	9°6
...	48°700	-25°696	-5	...	...	...	54°290	-11°923	-2	...	...	...	58°122	-21°110	-5	...	...
...	48°822	+55°847	-2	45.7303	10°2	...	54°619	+13°638	-5	...	...	...	58°307	+43°278	-5	m	...
...	49°154	-24°369	-4	...	...	...	54°732	+6°924	-5	e	...	*	58°328	+16°454	0°95	46.7312	9°6
...	+49°227	+8°490	-5	e	...	...	+54°888	-41°695	-3	...	...	n	+58°753	-34°240	-3	47.7010	10°2
...	49°378	-24°570	-3	...	...	...	54°893	-7°576	-5	m	...	n	58°979	-34°114	-4	47.7010	10°2
†	49°525	+7°028	-5	e	...	...	54°978	+12°845	-4	...	...	...	59°074	-1°793	0°80	46.7313	9°8
...	49°636	+34°942	-5	m	...	...	54°988	+0°258	-1	46.7305	10°0	...	59°323	-57°794	-5	...	...
...	49°845	+34°737	--4	e	...	851	54°990	+14°152	-3	...	...	...		
811	+49°892	-30°027	3°05	47.7001	7°8	...	+55°147	-13°967	-3	...	...				
S*	50°118	+38°485	0°75	46.7299	10°0	*	55°164	-13°575	1°10	47.7006	9°4						
...	50°228	-31°139	-5	m	...	...	55°175	-41°478	0°75	47.7007	9°7						
...	50°560	-42°576	-4	...	...	*	55°211	+26°302	1°15	46.7304	9°4						
...	50°717	-55°668	-5	...	...	†	55°275	-54°696	-3	...	...				
...	+50°831	+10°042	0°75	46.7300	10°0	...	+55°361	-52°177	-5	...	...				
...	50°965	-55°139	-5	...	...	...	55°395	-8°223	-5	m	...						
...	51°112	-38°889	-5	...	...	...	55°498	-22°087	-3	...	...				
...	51°227	-40°928	-5	m	...	...	55°768	-1°241	0°75	46.7307	9°8						
*	51°323	-58°253	0°90	47.7002	9°7	...	55°877	+8°990	0°65	46.7306	9°9						

886, 887. C.P.D., probably mass.

1-10					11-20					21-30							
I	-59°966	+4°161	0°70	46.7290	9°8	II	-58°482	-8°022	-4	...	...	21	-55°380	-29°459	0°80	47.6995	9°9
†	59°682	+55°802	0°65	45.7297	9°9	...	57°720	-58°642	0°80	47.6991	10°0	...	55°347	-46°628	-4	...	...
...	59°474	-1°709	-5	..	...	...	57°623	+11°865	-4	...	...	...	55°311	-6°945	-3	...	...
...	59°406	+2°904	-5	E	...	*	57°272	-40°908	3°20	47.6992	7°2	...	55°310	+55°741	-3	45.7303	10°2
...	59°162	-22°781	-1	47.6990	10°2	...	56°956	+22°882	-3	46.7294	10°2	...	55°261	+40°576	-2	46.7298	10°2
...	-59°083	-50°384	-3	47.6989	10°2	*	-56°810	+46°811	1°40	46.7295	9°2	...	-55°205	+23°316	-3	46.7296	10°2
...	58°891	-33°233	-3	...	...	...	56°377	-42°218	-5	47.6993	10°1	†	55°091	-34°442	-3	...	...
...	58°788	+46°782	-5	...	...	...	56°344	-42°109	-5	...	...	...	54°747	+33°637	-5	...	...
...	58°709	+28°442	-5	...	...	...	55°740	+14°491	-3	...	...	...	54°731	+26°075	-5	E	...
...	58°627	+43°454	0°70	46.7293	9°8	...	55°460	+43°222	0°65	46.7297	10°0	‡	54°548	-20°056	1°90	47.6997	8°4

ES measured from I, II, III, 215, 336, 438, 563.
MC " " 47, 163, 280, 385, 501, 615.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
31-90																		
31	-54°393	+20°643	-1	o	...	91	-44°278	-24°260	-5	o	...	151	-31°071	+40°499	-5	o	B	
...	53°612	+34°657	-5	E	...	...	43°679	-51°473	0°90	47.7008	9°6	...	30°972	-46°208	-5	...	...
...	53°448	+38°423	-1	46.7299	10°0	...	43°540	-20°859	-5	...	...	...	30°953	+55°069	-4	45.7333	10°2
...	53°399	+8°430	-5	E	...	...	43°457	-25°237	0°90	47.7009	9°6	...	30°873	+23°379	-4	46.7325	10°2
...	53°347	-55°708	1°20	47.6998	9°6	8*	43°217	-1°533	0°85	46.7313	9°8	...	30°713	-32°985	0°95	47.7028	9°6	
...	53°320	-30°852	-5	...	...	8*	-43°020	+38°941	0°90	46.7314	9°4	...	-30°589	-47°018	-5	...	...
...	53°044	+6°977	-5	E	...	...	42°942	+56°205	-5	...	...	...	30°587	-24°120	0°70	47.7029	9°9
...	52°818	-25°746	-5	...	...	...	42°999	+6°750	-2	...	...	...	30°454	-8°249	0°70	47.7031	9°8
...	52°416	-24°419	-5	...	...	*	42°993	+32°016	1°00	46.7315	9°2	...	30°438	-13°321	-4	...	...
...	52°180	-24°608	-5	...	...	...	42°511	+15°552	-4	...	...	...	30°352	-44°246	-1	47.7030	10°2
41	-51°842	+10°025	0°65	46.7300	10°0	101	n	-42°495	-33°964	-1	47.7010	10°2	161	-30°295	+29°791	-5
...	51°799	+32°055	0°65	46.7301	10°1	n	42°281	-33°828	-4	...	...	...	30°159	+19°647	-5	...	...
...	51°662	-9°364	-5	...	...	...	42°212	+35°240	-5	...	...	...	29°969	+51°944	-3	...	...
...	51°475	+19°358	-5	...	...	...	41°849	-20°118	-5	...	...	...	29°393	+13°514	0°75	46.7326	9°8
S+	51°448	-30°043	2°90	47.7001	7°8	*	41°697	-5°562	1°00	46.7316	9°2	...	29°299	-53°676	-4	...	...
...	51°076	+22°000	-5	E	...	...	-41°534	+24°549	0°80	46.7317	9°7	...	-29°127	-54°707	-5	...	...
...	49°794	+0°909	-5	E	...	...	41°363	+4°652	-5	B	...	...	28°550	+57°474	-2	45.7335	10°1
...	49°624	+31°109	0°90	46.7302	9°7	...	41°073	+14°272	-1	46.7318	10°2	...	28°466	-29°580	-5	...	...
...	49°558	-36°867	-4	...	...	...	40°813	-19°138	-5	...	...	...	28°446	-22°559	-5	...	...
...	49°342	+10°782	-4	...	...	...	40°129	+23°087	-5	B	...	...	28°446	-47°333	-5	...	...
51	-49°329	+5°037	-4	E	...	111	-40°034	-45°731	-5	171	-28°201	-28°690	-5
...	49°263	-23°745	-3	...	...	...	38°882	-44°602	-5	...	...	...	28°116	+16°312	-5	...	...
...	49°246	-17°301	-4	...	...	...	38°819	-22°065	-3	...	...	...	27°796	-31°933	-3	...	...
*	49°181	-49°306	1°20	47.7003	9°4	...	38°658	-52°552	-2	47.7011	10°1	...	27°728	-51°812	-5	...	...
...	49°162	-58°199	-1	47.7002	9°7	*	38°475	-32°183	2°80	47.7012	7°8	...	27°520	-16°163	-4	...	...
...	49°086	-4°400	-5	...	...	...	-38°087	-21°539	-3	...	...	*	-27°388	-36°117	0°95	47.7032	9°6
...	48°484	-0°832	-3	46.7303	10°2	...	37°954	+29°638	-4	46.7319	10°2	...	26°978	-19°391	-1	47.7033	10°2	
...	48°155	+13°736	-4	...	...	...	37°914	+29°194	-3	46.7320	10°2	...	26°342	-12°685	-4	...	...
...	48°122	+59°626	-4	45.7313	10°2	...	37°499	-38°112	-5	...	...	...	26°318	-30°279	-5	...	...
* 47°967	+26°416	1°00	46.7304	9°4	...	37°128	-26°666	0°70	47.7014	10°0	...	26°253	+17°432	0°90	46.7327	9°7		
61	-47°814	+7°041	-5	E	...	121	-36°958	-19°286	-5	A	181	-26°144	+55°427	-2	45.7340	10°2
...	47°812	+14°270	-3	...	...	...	36°573	-41°353	-5	...	...	...	25°943	+48°342	0°90	46.7329	9°6
...	47°796	-42°167	-2	...	...	...	36°425	+38°393	-4	...	...	...	25°857	+45°300	0°75	46.7328	9°9
...	47°783	+12°951	-4	...	...	...	35°963	+19°836	0°75	46.7321	9°7	...	25°833	-55°347	0°95	47.7034	9°7
...	47°670	-11°799	-4	...	...	...	35°830	-11°887	0°75	47.7016	9°9	...	25°518	+5°079	-2	...	...
*	-47°521	-56°020	1°40	47.7004	9°0	...	-35°788	+52°775	-5	...	...	...	-25°436	-42°298	-4	...	...
...	47°393	+56°052	-5	...	...	...	35°194	-44°623	-3	47.7017	10°2	...	25°360	+19°777	0°90	46.7330	9°6
...	47°353	+0°375	0°70	46.7305	10°0	*	35°006	-32°289	1°05	47.7018	9°0	...	25°208	+48°310	0°80	46.7331	9°9	
*	46°943	-46°983	1°40	47.7005	9°0	n*	34°705	-30°603	5°70	47.7019	5°1	...	25°044	-50°374	-3	47.7035	10°2	
...	46°922	+30°476	-4	...	...	...	34°700	-28°992	-5	...	...	...	25°024	+26°933	-4	...	...
71	-46°889	+26°416	-4	131	-34°526	+39°784	-4	191	-24°927	-32°638	-4
...	46°747	+9°143	-2	46.7306	9°9	...	34°507	-46°068	0°80	47.7020	9°8	...	24°637	+12°439	-4	...	...
...	46°737	-13°826	-4	...	...	...	34°462	-5°271	-1	46.7322	9°8	...	24°496	+18°309	-5	B	...
*	46°736	-13°433	1°00	47.7006	9°4	n*	34°393	-30°851	3°00	47.7019	5°1	...	24°276	-37°260	-4	...	...
...	46°573	+16°768	0°80	46.7308	9°7	*	34°377	-7°965	1°00	47.7021	9°4	...	23°851	-24°893	-5	...	...
...	46°524	-1°092	0°75	46.7307	9°8	...	-33°851	+30°993	-5	...	...	...	-23°826	-37°694	0°85	47.7036	9°6
...	46°414	+13°076	-3	...	...	...	33°803	-7°723	-2	47.7023	10°2	...	23°782	+8°223	-5	B	...
...	46°131	-21°922	-3	...	...	...	33°792	-40°068	-5	...	...	...	23°644	+42°189	-4	...	...
...	46°109	-41°551	-4	...	...	...	33°624	-19°991	-3	47.7024	10°2	...	23°627	+39°343	0°80	46.7332	9°9
...	45°917	+15°131	0°90	46.7311	9°6	...	33°313	-34°415	-5	...	...	...	23°597	-26°686	-4	...	...
81	-45°883	+14°169	-5	E	...	141	-33°274	-56°875	0°90	47.7022	9°8	...	-23°487	+25°847	-4	...	...
...	45°872	+8°749	0°65	46.7309	9°9	...	32°585	+22°857	0°75	46.7323	9°7	...	23°216	-49°694	0°90	47.7037	9°7	
...	45°823	-41°317	0°80	47.7007	9°7	...	32°516	-22°107	0°65	47.7025	9°9	...	23°098	-12°011	-3	...	...
...	45°780	+5°973	-1	46.7310	10°1	...	31°999	+54°598	-3	45.7331	9°7	...	22°960	+43°898	-4	...	...
...	45°410	+5°458	-5	E	...	...	32°063	+54°574	0°90	45.7331	9°7	...	22°663	-44°151	-5	...	...
...	-45°310	-52°018	-4	...	...	...	-31°916	-44°170	-5	...	...	...	-22°513	-50°278	-3	47.7038	10°2
...	45°309	-54°541	-3	...	...	...	31°839	-19°449	-1	47.7026	9°8	...	22°411	-21°201	-5	...	...
...	45°137	-21°621	-4	...	...	...	31°563	-5°225	-3	46.7324	10°2	*	22°391	-18°083	0°90	47.7040	9°4
† 44°988	-7°354	-5	E	...	...	...	31°555	-25°811	-4	...	...	...	22°315	+9°117	-1	46.7333	9°9
*	44°541	+16°680	0°90	46.7312	9°6	...	31°265	-25°199	-2	47.7027	10°2	...	22°198	+10°191	-5	B	...	

101, 102. C.P.D., probably mass.

129, 134. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
211-270																	
211						271						331					
...	-21·735	-52·586	-2	47.7041	10·1	...	-11·864	-34·467	-4	...	...	...	-1·040	+28·954	-3	46.7354	10·1
...	21·726	-49·891	-1	47.7042	10·2	...	11·769	+24·719	-5	...	...	...	0·884	+23·123	-4	...	...
*	21·073	-1·201	1·00	46.7334	9·2	*	11·756	-41·220	1·30	47.7059	9·0	*	0·538	+24·644	1·00	46.7355	9·2
...	20·249	+51·277	0·80	46.7335	9·8	S*	11·386	-9·961	1·30	47.7060	9·0	...	0·533	+23·150	0·80	46.7356	9·7
...	19·978	+29·123	-5	...	...	...	11·086	+6·166	-5	...	...	+	-0·230	-10·668	1·10	47.7074	9·4
...	-19·934	+35·901	-4	...	...	...	-10·676	+55·040	-2	45.7358	10·2	...	+0·409	+3·618	-5	M	...
...	19·880	+44·624	-5	...	...	...	10·601	-55·517	-1	47.7061	10·2	S*	0·507	-56·956	4·00	47.7075	7·2
...	19·794	+3·029	-1	...	...	...	10·538	+35·851	-5	...	...	...	0·602	-49·577	-3	...	...
...	19·365	-46·577	--5	...	...	...	10·442	+35·504	-5	...	...	...	0·675	+38·430	0·65	46.7357	9·7
...	19·177	+43·259	0·65	46.7337	9·8	...	9·842	+3·329	-2	46.7345	10·2	...	1·211	+36·384	0·90	46.7358	9·6
221						281						341					
...	-18·973	+29·395	-3	...	...	...	-9·530	+0·257	-2	46.7346	10·0	...	+1·330	-46·278	0·65	47.7076	10·1
...	18·953	+2·609	0·80	46.7336	9·6	...	9·514	-47·778	-5	M	...	S*	1·707	-33·815	5·20	47.7077	6·6
...	18·474	-13·342	-5	...	...	...	9·457	+21·629	-4	...	...	...	1·790	-53·336	-1	47.7078	10·2
...	18·468	+33·066	0·70	46.7338	9·8	...	9·311	+43·577	-4	...	...	...	1·862	+57·078	-4	...	...
...	18·467	-36·862	-5	...	...	...	9·226	-30·212	-5	...	...	...	1·863	+43·612	0·70	46.7359	9·8
*	-18·460	-23·676	1·60	47.7043	9·0	*	-9·214	-23·862	3·60	47.7062	7·7	...	+2·168	+30·536	0·90	46.7360	9·7
...	18·392	-14·564	0·65	47.7044	10·0	...	9·206	+27·811	-5	...	...	...	3·085	-37·746	-5	...	...
*	18·144	-24·073	0·85	...	...	...	9·198	-57·558	-5	...	...	...	3·186	+7·640	0·65	46.7361	9·8
*	17·964	-23·953	1·10	47.7045	9·0	...	8·995	-53·618	-5	...	...	...	3·221	+45·133	-2	46.7362	10·1
*	17·578	-14·930	1·20	47.7046	9·2	...	8·934	-14·101	-4	...	...	...	3·308	+35·830	-5	...	...
231						291						351					
...	-17·276	-0·770	0·95	46.7339	9·6	*	-8·444	-59·150	1·00	47.7063	9·6	...	+3·343	+38·867	0·90	46.7364	9·6
...	17·149	-54·409	-5	...	...	...	8·351	+1·547	-3	...	...	...	3·348	-23·006	-4	...	...
...	16·971	+34·533	-3	46.7340	10·2	...	8·098	-27·346	0·80	47.7064	9·7	*	3·359	+26·454	0·95	46.7363	9·6
*	16·874	-40·980	1·70	47.7047	8·7	...	8·067	+35·407	-5	M	...	*	4·228	-8·385	1·30	47.7079	9·2
...	16·849	-16·267	-5	...	...	...	7·973	+39·055	-5	...	...	...	4·423	-30·935	-5	...	...
...	-16·684	+33·116	-4	...	...	...	-7·570	+42·540	-5	M	...	+	4·803	+23·241	1·05	46.7365	9·2
...	16·655	+15·780	-5	B	...	...	7·544	-38·193	-3	...	...	...	5·014	+35·580	-3	46.7366	10·2
...	16·439	+9·642	-4	...	...	...	7·049	+55·473	-3	...	...	...	5·015	+2·979	-4	M	...
...	16·371	-30·564	0·70	47.7049	9·8	...	7·013	+47·207	-2	...	...	...	5·364	+40·522	-1	46.7367	10·1
...	16·241	-25·478	-2	47.7050	10·1	...	6·717	+32·167	-4	...	...	...	6·269	+17·496	-3	...	...
241						301						361					
...	-16·230	-38·275	0·80	47.7048	9·7	...	6·683	+41·088	-5	...	...	*	+6·487	+13·370	1·35	46.7368	9·2
*	16·162	-21·314	0·90	47.7051	9·4	*	6·633	-47·648	0·90	47.7065	9·7	...	6·599	+38·219	-5	M	...
...	16·027	-54·000	-5	...	...	...	6·564	+15·504	-3	...	...	*	6·821	-33·272	2·20	47.7081	7·8
...	15·672	-32·496	-5	...	...	...	6·442	-20·535	0·70	47.7066	9·8	*	6·848	-29·739	1·15	47.7080	9·2
...	15·556	+41·049	0·80	46.7341	9·8	...	6·107	-53·248	-2	...	...	...	6·907	-47·198	-5	...	...
...	-15·326	+58·480	0·85	45.7352	9·8	...	-5·899	-48·914	-5	M	...	+	6·935	+14·357	-5	M	...
*	15·326	-8·610	1·20	47.7052	9·0	S*	5·526	+14·676	1·40	46.7347	9·0	...	7·179	-9·401	-4	...	...
†	15·095	+7·597	0·65	46.7342	9·8	...	5·311	+15·861	0·75	46.7348	9·8	...	7·278	-19·877	-5	...	...
...	15·032	+29·470	-5	...	...	...	5·271	-5·379	-4	...	...	...	7·639	+8·960	-2	46.7369	10·1
...	14·970	-14·577	-3	...	...	†	4·714	+24·771	-3	46.7349	10·1	Mα	7·783	+0·527	0·65	46.7370	9·7
251						311						371					
...	-14·765	-16·719	-5	...	...	...	-4·459	-34·172	0·70	47.7068	9·8	...	+8·363	-2·217	-4	46.7372	10·2
...	14·727	-0·687	-5	A	...	...	3·998	-9·809	-4	47.7069	10·2	...	8·413	+20·199	-2	46.7371	10·2
*	14·689	-19·829	1·15	47.7054	9·0	...	3·933	+14·674	-4	46.7350	10·2	...	8·559	-1·567	0·80	46.7373	9·6
...	14·677	+14·220	-5	B	...	...	3·847	-52·255	-5	...	...	...	8·626	+49·061	-4	...	...
...	14·627	+3·186	-5	B	...	*	3·831	-48·793	1·00	47.7070	9·6	...	8·811	+56·159	1·00	45·7377	9·7
...	-14·551	-4·515	-5	...	...	...	3·787	-1·599	-5	...	...	...	+8·868	-49·449	-3	47·7082	10·2
...	14·485	+32·060	-3	46.7343	10·2	...	3·599	-27·064	0·80	47.7071	9·8	...	9·004	+42·517	-4	...	...
...	14·210	-34·138	-5	...	...	...	3·107	+44·348	-4	...	...	...	9·060	+46·292	-3	46·7374	10·2
...	14·040	-9·058	-3	47.7056	10·2	...	3·024	+9·230	-5	M	...	...	9·195	+8·704	-1	46·7375	10·1
...	13·828	-34·518	-3	47.7055	10·2	...	2·897	+8·163	-2	46.7351	10·1	...	9·231	-6·586	-5	...	...
261						321						381					
...	-13·776	-46·567	-4	...	...	...	-2·850	-33·975	0·65	47.7072	10·1	...	+9·243	-25·936	-5	...	...
...	13·673	+31·066	-5	...	...	S*	2·674	+32·827	1·05	46.7352	9·0	*	9·370	-32·506	1·05	47·7083	9·4
...	13·661	+53·356	-5	...	...	...	2·670	-6·807	-4	...	...	...	9·480	+28·487	-5	...	...
...	13·551	-12·859	-4	...	...	...	2·529	+42·032	-3	...	...	...	9·708	-4·260	-5	...	...
...	13·373	+18·099	-5	A	...	...	2·184	-13·318	-3	...	...	...	10·261	-1·484	0·65	46·7376	9·9
...	-12·955	-48·678	-4	...	...	...	-2·008	-38·553	-4	...	...	...	+10·403	-30·567	-4	...	...
...	12·840	+11·708	-5	...	...	...	1·999	-34·875	-4	...	...	...	10·591	-31·272	-3	...	...
...	12·574	-36·703	-3	...	...	...	1·936	+24·278	0·65	46·7353	9·9	...	11·097	-33·827	-5	...	...
α*	12·556	+0·127	1·10	46.7344	9·4	...	1·754	-32·067	-5	...	...	...	11·689	+17·550	-4	...	...
†	12·381	-20·120	-2	47.7057	10·0	...	1·153	-12·288	0·90	47.7073	9·9	...	11·835	-12·395	-1	47·7084	9·9

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
391-450																	
391	+11.847	-18.812	-1	47.7085	10.2	451	+22.026	-34.989	1.60	47.7098	9.0	511	+31.578	-54.418	-4	...	...
...	11.905	+52.074	0.65	46.7377	9.9	*	22.096	-58.465	1.40	47.7099	9.2	...	31.605	-48.862	-5	a	...
†	12.094	+29.773	-4	...	...	...	22.149	+13.289	-3	46.7394	10.2	...	31.706	+5.816	-3	...	...
...	12.334	+27.343	-3	46.7378	10.2	...	22.231	+12.912	-3	46.7395	10.2	...	31.822	+20.209	-4	...	...
...	12.343	+31.372	-4	...	...	...	22.552	-12.833	-5	...	...	...	31.856	-44.745	0.80	47.7114	10.1
...	+12.668	+10.995	-4	...	...	...	+22.706	+56.711	-1	45.7390	10.1	...	+32.433	-15.016	-4	...	...
...	12.842	+25.611	-4	...	...	...	22.910	+15.310	-4	...	...	...	32.446	+46.107	-5	...	...
...	13.136	+17.431	-5	...	...	...	22.998	+37.443	-5	...	...	...	32.558	-4.357	-2	46.7407	10.2
...	13.189	-52.313	-3	...	...	...	23.037	+57.773	-1	45.7391	10.1	...	32.668	+24.838	-5	...	...
...	13.206	-9.470	0.90	47.7087	9.8	...	23.111	+3.498	0.85	46.7396	9.6	...	32.838	+16.309	-3	...	...
401	+13.297	-54.769	-5	...	...	461	+23.575	+12.337	-3	...	...	521	+32.933	-54.728	-4	...	...
...	13.536	+16.302	-4	...	...	...	23.613	+35.750	-5	...	...	*	33.018	+8.081	2.90	46.7408	8.0
...	14.183	+24.273	-4	...	...	...	23.751	-4.138	-5	...	...	*	33.177	+7.558	0.90	46.7410	9.6
...	14.246	-42.736	0.90	47.7088	9.6	...	23.973	+54.826	-3	...	...	...	33.386	+21.060	-4	...	...
...	14.487	-3.972	-4	...	...	*	24.009	-30.688	1.80	47.7101	8.6	*	33.462	+21.980	1.10	46.7411	9.4
...	+14.494	-37.554	-5	...	...	...	+24.195	-41.848	-5	a	...	...	+33.487	-9.790	-2	47.7115	10.2
...	14.649	+28.239	-5	...	...	*	24.282	-18.293	1.15	47.7102	9.4	*	33.532	+52.552	1.20	46.7409	9.2
...	14.676	-41.005	-5	...	...	...	24.366	+14.958	-4	...	...	...	33.768	-8.553	-5	...	...
S *	15.374	+54.160	1.45	46.7379	8.7	...	24.570	-39.203	-5	...	...	...	33.865	-9.575	-5	...	...
*	15.414	+2.146	1.00	46.7380	9.4	...	24.645	-20.502	-3	...	...	...	34.469	-35.306	-5	b	...
411	+15.697	+23.907	-4	...	...	471	+25.122	+49.788	-5	...	...	531	+35.055	-11.094	-3	...	...
*	15.709	-39.691	1.20	47.7089	9.0	...	25.460	-38.044	-3	47.7104	10.2	...	35.268	-31.809	-4	...	...
...	15.746	-2.288	-5	...	...	*	25.581	+39.729	0.85	46.7397	9.6	...	35.417	-49.427	-4	a	...
...	16.117	-24.486	-5	...	...	...	25.808	+33.541	-5	...	...	...	35.519	-21.951	-4	...	...
...	16.182	+12.349	0.80	46.7382	9.7	...	25.917	+8.386	-3	...	...	...	35.900	+42.846	0.80	46.7412	9.8
...	+16.216	+48.757	-2	46.7381	10.2	...	+26.059	+16.637	-5	...	...	...	+36.150	-19.309	-3	...	...
...	16.318	+24.419	-2	46.7383	10.2	*	26.097	+36.632	1.05	46.7398	9.4	...	36.194	-52.224	-4	a	...
*	16.386	+49.837	1.00	46.7384	9.2	...	26.125	+36.767	-4	...	...	S *	36.375	-58.045	1.80	47.7117	8.6
...	16.489	+23.886	-4	46.7385	10.2	...	26.158	-45.520	0.75	47.7105	9.8	...	36.696	+42.470	-4	...	...
...	16.800	+14.271	-1	46.7386	10.1	...	26.349	-19.749	-5	...	...	...	36.743	-52.500	-4	...	...
421	+17.275	-24.220	-4	...	...	481	+26.393	+7.011	-3	46.7399	10.2	541	+36.820	-1.612	-5	...	...
...	17.283	-33.263	-5	...	...	...	26.395	-11.895	-5	...	...	...	36.925	+27.240	-2	...	...
...	17.624	+24.495	-5	...	...	...	26.482	-48.056	-1	47.7107	10.1	...	37.137	+25.510	0.65	46.7413	10.1
...	17.960	+56.170	0.70	45.7387	9.8	...	26.814	-21.674	-5	...	...	...	37.153	+38.048	-4	...	...
...	18.145	-43.251	-4	...	...	...	26.825	+6.846	-1	46.7400	10.0	...	37.178	-11.814	-1	47.7118	10.2
...	+18.212	+8.303	-4	...	...	491	+26.894	-18.883	0.90	47.7108	9.7	...	+37.200	+14.936	-4	...	...
*	18.524	-38.698	1.10	47.7091	9.2	...	27.370	-25.219	-5	...	...	...	37.385	+7.673	-4	...	...
...	18.589	-49.520	-3	...	...	...	27.497	-52.725	-5	...	...	...	37.476	+33.839	-4	...	...
...	18.712	+42.020	0.80	46.7387	9.9	...	27.871	-0.528	0.65	46.7401	9.8	...	37.593	-1.066	-5	...	...
...	18.809	-51.508	-5	...	...	...	27.915	-35.758	-4	...	...	S *	37.849	+15.107	1.80	46.7414	8.6
431	+19.011	+31.813	-4	...	...	...	+28.104	+54.738	-1	45.7393	10.0	551	+38.122	-25.786	-5	...	...
...	19.171	-15.867	-1	47.7092	10.1	*	28.161	-25.569	1.80	47.7109	8.6	...	38.203	+0.431	-4	...	...
...	19.206	-50.083	-2	47.7093	10.2	...	28.235	+38.966	-2	46.7402	10.0	*	38.642	-12.501	1.00	47.7120	9.2
...	19.266	-11.920	-5	...	...	...	28.472	-54.016	-5	...	...	...	38.656	+2.994	-3	...	...
...	19.420	-3.394	-4	...	...	...	28.688	+26.902	-3	46.7403	10.2	...	38.850	+21.696	-5	...	...
...	+19.709	-15.100	1.00	47.7094	9.6	...	+28.785	-29.346	-5	...	...	...	+38.935	-42.481	-2	...	...
...	19.771	-26.277	-5	...	...	*	29.006	+30.456	1.20	46.7404	9.4	...	39.191	+23.556	-2	46.7415	10.2
*	20.014	+9.065	1.05	46.7389	9.2	...	29.423	-37.241	-5	...	...	...	39.407	+30.322	-4	...	...
*	20.093	+46.458	0.85	46.7388	9.7	*	29.480	+47.843	1.50	46.7405	9.2	...	39.520	-10.292	-5	...	...
...	20.573	+4.063	0.65	46.7391	10.0	...	29.657	+46.122	-5	...	...	...	39.614	-46.384	-2	...	...
441	+20.643	-29.012	-5	...	...	501	+29.829	+45.119	-5	...	...	561	+39.621	-56.045	-3	...	...
...	20.650	+58.859	-3	...	...	...	29.862	-29.350	-3	...	...	*	39.693	+41.854	-5	...	...
...	20.722	+51.549	-2	46.7390	10.2	*	30.050	-24.952	1.60	47.7111	8.8	...	40.025	+0.556	-3	...	...
...	20.765	+56.705	-5	...	...	...	30.256	-25.755	-2	47.7112	10.2	...	40.043	+58.967	-5	...	...
...	20.830	-7.200	-5	...	...	...	30.481	+35.785	-2	46.7406	10.2	...	40.063	-9.098	-5	...	...
...	+20.922	+49.897	-3	46.7392	10.2	...	+30.700	+18.274	-4	...	...	...	+40.069	-20.697	-5	...	...
*	21.134	-29.884	1.35	47.7096	9.0	...	30.911	+16.510	-5	...	...	...	40.090	+6.090	-2	46.7417	10.1
...	21.299	-32.906	-4	...	...	...	31.037	-7.413	-2	47.7113	10.2	...	40.180	+17.047	-4	...	...
...	21.423	+18.253	0.70	46.7393	9.9	...	31.200	+12.138	-4	...	...	...	40.223	+6.068	-5	...	...
...	21.489	+41.933	-4	...	...	...	31.459	+13.033	-4	...	...	...	40.229	-51.196	-1	47.7121	10.1

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-5.	No.	Mag.	x.	y.		-5.	No.	Mag.	x.	y.	-5.	No.	Mag.	
571-610																		
571	+40°510	-26°045	-5	°	611	+49°193	+9°621	-1	46°7429	10°0	651	+55°667	+9°554	0°90	46°7439	9°8
*	40°526	+51°948	1°30	46°7416	9°2	...	49°412	+10°981	-4	...	...	...	55°769	-31°910	-4	...	...
...	40°595	+37°204	0°70	46°7418	9°9	...	49°444	+23°026	-5	...	...	...	55°910	-42°974	-3	...	...
...	40°763	+6°982	-4	46°7419	10°2	†	49°618	-53°473	-5	...	...	...	56°086	+40°098	-4	...	...
...	40°847	+51°157	-5	...	...	...	50°458	-48°579	-2	47°7127	10°0	...	56°451	-8°776	-2	...	...
*	+40°909	-34°717	1°10	47°7122	9°4	...	+50°494	+46°122	-1	46°7430	9°8	...	+56°640	-8°974	-2	47°7133	10°1	
...	41°027	-37°870	-5	...	...	...	50°574	-58°503	-4	...	...	...	56°744	+0°988	1°00	46°7440	9°4
...	41°221	+46°968	0°85	46°7420	9°8	...	50°774	-49°911	-1	47°7128	9°8	...	56°840	-1°215	-3	46°7442	10°2	
...	41°274	-27°533	-5	...	...	...	51°029	-32°882	-4	...	...	...	57°144	-20°989	-5	...	...
...	41°458	+33°711	-5	...	...	...	51°052	+49°837	-1	46°7431	9°8	...	57°250	+11°719	-4	...	...
581	* +41°568	-34°908	2°00	47°7123	8°8	...	+51°179	-34°392	0°90	47°7129	9°6	661	+57°356	+20°651	-1	...	...
...	42°111	-17°156	-5	...	...	...	51°193	+53°189	-3	46°7432	9°9	...	57°492	+49°355	-1	46°7441	9°8
...	42°150	+28°774	-5	...	...	...	51°404	+58°743	-1	45°7411	10°0	...	57°782	+56°680	-2	45°7419	9°9
...	42°474	+5°253	-4	...	...	...	51°503	+26°758	0°65	46°7433	10°0	...	58°319	-39°240	-1	47°7135	9°8
...	42°900	+19°713	-2	...	...	...	51°511	+4°185	-5	...	...	...	58°379	-3°271	-5	...	...
†	+43°081	+49°693	-4	...	...	†	+51°632	-35°010	-4	...	...	...	* +58°837	+16°655	1°20	46°7443	9°2
*	43°120	+13°855	1°40	46°7422	9°0	...	51°812	-5°223	-2	...	...	...	59°206	-49°516	-4	47°7136	10°2
...	43°467	-39°912	-4	...	...	...	51°929	-20°438	-4	...	...	...	59°223	-39°190	-3	...	...
...	43°516	+23°043	-2	46°7424	10°1	...	52°002	-33°448	0°80	47°7130	9°8	...	59°258	+19°709	-4	...	...
...	43°582	+52°754	0°65	46°7421	9°9	...	52°003	-1°826	-1	46°7434	10°2	...	59°382	+45°286	-3	46°7444	9°8	
591	S *	+43°628	-47°662	1°90	47°7124	8°6	...	+52°044	-9°855	-5	631	+59°427	+11°274	-2	46°7445	10°0
...	43°688	+3°854	-5	...	...	*	52°068	+59°268	2°10	45°7413	8°8	...	...	...	...	...	...
...	43°806	+38°737	-3	46°7423	10°2	...	52°403	-42°043	-3	...	...	...	...	...	...	...	...
...	44°036	+51°736	0°80	46°7425	9°8	...	52°627	+13°212	-3	...	...	...	...	...	...	...	...
...	44°225	-6°894	-2	47°7125	10°2	...	52°695	+15°979	-5	...	...	...	...	...	...	...	...
...	+44°245	-57°785	-5	...	...	*	+52°907	+32°228	1°40	46°7435	9°2	...	...	...	...	...	...
*	44°436	+31°152	1°30	46°7426	9°2	...	52°936	-30°877	-4	...	...	...	...	...	...	...	...
...	44°646	-0°645	-3	...	...	...	53°236	+39°837	-5	...	...	...	...	...	...	...	...
...	45°102	-46°620	-5	a	...	...	53°406	+4°067	-5	...	...	...	...	...	...	...	...
...	45°184	+7°861	-3	...	...	...	53°945	-23°215	-4	...	...	...	...	...	...	...	...
601	...	+46°206	-15°195	-5	+54°377	-16°491	-5	641
...	46°996	+38°180	-5	...	...	...	54°451	-15°018	-1	...	...	...	...	...	...	...	...
...	47°203	-25°305	0°90	47°7126	9°7	...	54°792	-19°154	-5	...	...	...	...	...	...	...	...
...	48°075	-25°451	-5	...	...	...	55°096	-58°784	0°90	47°7132	9°7	...	...	...	...	...	...
...	48°164	+11°556	0°85	46°7427	9°8	...	55°358	+29°830	0°80	46°7436	9°9	...	...	...	...	...	...
S *	+48°339	+27°462	-5	...	...	...	+55°390	+30°263	0°90	46°7437	9°7	...	...	...	...	...	...
...	48°438	-4°515	1°70	46°7428	8°6	...	55°400	-41°577	-3	...	...	...	...	...	...	...	...
...	48°456	-1°542	-5	...	...	...	55°440	-23°198	0°70	47°7131	9°8	...	...	...	...	...	...
...	48°577	+18°358	-3	...	...	...	55°494	-40°749	-3	...	...	...	...	...	...	...	...
...	48°677	-54°762	-5	...	...	*	55°521	+15°786	1°30	46°7438	9°2	...	...	...	...	...	...

1-10					11-20					21-30							
I	-59°932	+51°473	-1	46°7425	9°8	...	-57°375	+7°664	-4	°	...	...	...	...	...
†	59°756	+38°478	-4	46°7423	10°2	S *	57°173	-47°865	2°05	47°7124	8°6	...	53°629	+22°950	-5	...	...
...	59°663	-17°440	-5	...	...	...	56°726	-17°734	-5	...	...	...	53°445	+9°552	-1	46°7429	10°0
*	59°652	+13°616	1°20	46°7422	9°0	...	56°536	+38°024	-4	...	...	...	53°432	-25°540	-5	...	...
*	59°632	-35°180	1°70	47°7123	8°8	...	56°244	-57°976	-5	...	...	...	53°297	+46°079	-1	46°7430	9°8
*	59°554	+22°789	-3	46°7424	10°1	...	-55°622	-15°344	-4	...	...	...	-53°265	+10°927	-3	...	...
*	58°870	+30°921	1°30	46°7426	9°2	...	54°534	+11°456	0°90	46°7427	9°8	...	52°841	+49°808	-2	46°7431	9°8
...	57°876	-7°125	-2	47°7125	10°2	...	54°342	+18°261	-3	...	...	...	52°821	+53°166	-3	46°7432	9°9
...	57°647	-0°856	-3	...	...	...	54°318	-25°419	0°90	47°7126	9°7	...	52°797	+58°708	-4	45°7411	10°0
...	57°582	-40°136	-4	...	...	...	53°807	-1°631	-4	...	...	...	52°321	-13°029	-5	...	...

MC measured from 1, 94, 199, 296, 399, 525.
ES " " 42, 145, 242, 347, 461, 579.

Notes.	Co ordinates.		Diam.	C.P.D.		Notes.	Co ordinates.		Diam.	C.P.D.		Notes.	Co ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
31-90																		
31	-52·138	+59·263	2·00	45·7413	8·8	91	-40·411	+22·176	-2	46·7446	10·2	151	-28·506	-51·372	-2	°	...	
...	51·908	-54·823	-4	...	...	*	40·262	-22·829	1·10	47·7137	9·2	*	28·168	-34·701	1·05	47·7152	9·4
...	51·666	+26·745	-1	46·7433	10·0	...	40·239	-29·117	-5	...	...	...	27·959	-40·320	-5	...	...
...	50·998	-53·479	-5	...	...	...	39·613	+41·958	-2	46·7448	10·2	...	27·915	-28·570	0·85	47·7153	9·6
*	50·431	+32·254	1·20	46·7435	9·2	...	39·581	+36·260	-2	...	...	...	27·745	+58·464	-5	...	...
...	-50·335	-5·188	-3	...	...	...	39·562	+18·755	-5	...	...	...	-27·418	+52·430	-5	...	...
...	50·333	-48·576	-2	47·7127	10·0	...	39·289	+23·263	-3	...	...	...	27·278	+44·914	-2	46·7457	10·1
...	50·253	-1·805	-1	46·7434	10·2	...	38·786	-48·530	-5	...	...	...	27·011	-21·656	-5	...	...
...	50·237	-32·868	-4	...	...	...	38·662	+17·954	-5	...	...	...	26·906	-48·885	-4	...	...
...	50·104	+13·256	-4	...	...	N	38·657	+43·551	-5	...	...	...	26·887	-36·366	0·65	47·7154	9·8
41	-50·053	-34·362	0·95	47·7129	9·6	101	-38·073	-27·822	0·75	47·7138	10·0	161	-26·630	-34·766	0·75	47·7155	9·7	
†	49·979	-9·828	-5	...	...	...	38·047	-24·038	-2	...	...	*	26·465	+36·741	3·80	46·7458	7·7
†	49·962	-49·893	0·75	47·7128	9·8	...	37·791	-58·919	-5	...	...	...	26·376	-32·478	-3	47·7156	10·2
...	49·897	-58·495	-4	...	...	...	37·256	-58·842	-3	47·7139	10·2	...	26·091	+0·006	-3	46·7459	10·2
...	49·759	-20·396	-5	...	...	...	37·062	+1·097	0·70	46·7449	10·0	...	25·908	-43·413	-2	47·7157	10·2
...	-49·578	-34·963	-5	...	...	...	36·957	+32·823	-3	...	...	*	-25·775	+15·354	0·95	46·7460	9·6
...	49·261	-33·397	0·70	47·7130	9·8	...	36·720	-17·080	-1	47·7140	9·8	...	25·506	+17·554	-4	...	...
...	48·585	-41·979	-4	...	...	...	36·293	-9·757	-5	...	...	...	25·349	-47·252	-4	...	...
...	48·405	-39·797	-5	...	...	...	36·269	-21·790	-4	...	...	*	25·230	+26·320	1·70	46·7461	8·7
...	47·910	+29·943	0·65	46·7436	9·9	...	36·267	+45·405	-3	...	...	...	24·269	+3·754	-3	...	...
51	-47·892	+30·376	0·75	46·7437	9·7	111	-36·221	-56·194	-3	171	-23·854	+47·540	-1	46·7462	10·0
...	47·663	-23·108	-5	...	...	...	36·067	+11·614	-4	...	...	†	23·657	-25·118	-5	...	...
...	47·497	+40·213	-5	...	...	...	35·279	+27·301	-5	...	...	*	23·181	+21·884	1·30	46·7463	9·2
...	47·406	-14·917	-3	...	...	...	34·915	-15·336	-3	...	...	...	22·940	+6·241	-5	...	...
*	47·292	+15·905	1·20	46·7438	9·2	...	34·806	+17·027	-4	...	...	...	22·792	+52·755	-5	...	...
...	-46·945	+9·689	0·85	46·7439	9·8	...	34·601	-1·482	-4	...	...	...	-22·750	-29·762	-3	47·7158	10·2
...	46·899	-19·040	-5	...	...	...	34·580	-33·441	-5	A	...	...	22·724	-19·332	-5	...	...
...	46·399	+49·515	0·80	46·7441	9·8	...	34·464	-38·631	-5	A	...	...	22·635	-18·259	-5	...	...
...	46·338	+56·857	0·65	45·7419	9·9	...	34·336	-30·752	-5	...	...	...	22·628	-13·862	-4	47·7160	10·2
...	46·142	-23·047	0·70	47·7131	9·8	...	34·082	-13·801	-1	47·7142	10·1	...	22·333	-50·355	-4	...	...
61	-45·614	+20·836	-3	121	S*	-33·949	+12·476	1·25	46·7450	9·0	181	-22·288	+20·757	0·95	46·7464	9·6
*	45·600	+1·161	1·15	46·7440	9·4	...	33·827	+32·216	-5	...	...	...	21·885	+29·829	-5	...	...
...	45·600	-41·408	-4	...	...	...	33·805	+18·828	1·20	46·7452	9·2	...	21·850	-34·305	-5	...	...
n	45·576	-8·606	-3	47·7133	10·1	*	33·798	-54·336	1·40	47·7141	9·2	...	21·842	+0·871	-5	...	...
...	45·554	-31·764	-4	...	...	...	33·772	-0·658	-1	46·7451	10·1	...	21·702	+23·148	-3	46·7465	10·2
...	-45·526	-40·581	-4	...	...	...	33·552	-54·693	-4	47·7143	10·2	...	-21·681	+2·484	-5	...	...
...	45·456	+11·897	-5	...	...	...	33·515	+45·118	-1	46·7453	10·0	...	21·681	-47·970	0·65	47·7161	10·1
...	45·437	-1·033	-4	46·7442	10·2	S*	33·505	-19·028	1·65	47·7145	8·8	...	21·556	+22·931	0·65	46·7466	9·9	
n	45·400	-8·791	-3	47·7133	10·1	*	33·500	-37·898	1·20	47·7144	9·2	...	21·555	-25·206	-4	...	...
...	45·344	-58·611	1·00	47·7132	9·7	...	33·424	-11·798	-5	...	...	...	21·416	-6·277	-5	...	...
71	-45·045	-42·783	-5	131	-33·166	-27·519	-4	191	-21·267	-20·178	-5	A	...
...	44·508	-20·787	-5	...	...	...	32·949	-30·902	-4	...	...	...	21·236	-46·186	-5	...	...
...	44·378	+45·516	-3	46·7444	9·8	...	32·093	+16·824	-3	...	...	...	21·218	+2·178	0·65	46·7467	9·8
*	44·023	+16·879	1·25	46·7443	9·2	...	32·079	-13·019	-1	47·7148	10·1	...	20·818	-9·302	0·70	47·7162	9·8	
...	43·847	-3·021	-5	...	...	...	31·999	-28·069	0·65	47·7147	9·8	...	20·676	+12·831	-3	46·7468	10·2
...	-43·747	-18·638	-5	...	...	...	31·896	-38·222	-3	47·7146	10·2	...	-20·663	+28·076	-5	...	...
...	43·700	+19·954	-4	...	...	...	31·782	+59·184	-4	...	...	...	20·365	-39·509	-4	...	...
...	43·357	-48·842	-5	...	...	...	31·666	+53·768	-3	...	...	...	20·164	+34·548	-4	...	...
...	43·324	-34·958	-5	...	...	...	31·554	+50·261	-3	46·7454	10·2	...	19·467	+31·412	-5	...	...
...	43·266	+11·535	-2	46·7445	10·0	†	31·418	-5·088	-4	...	...	...	19·353	+24·512	-5	...	...
81	-42·772	-38·978	0·70	47·7135	9·8	141	-31·222	-9·804	-5	201	-19·277	-58·682	-1	47·7163	9·8
...	42·396	+57·845	1·20	45·7424	9·6	α	30·480	+0·027	-2	46·7455	10·0	...	19·270	+9·026	-5	...	...
...	41·960	+44·423	-5	...	...	...	30·374	-45·624	-3	47·7149	10·2	...	19·047	-59·840	0·90	47·7164	9·7
...	41·874	-38·902	-3	...	...	...	30·272	-52·762	-5	...	...	...	18·334	-13·697	-5	...	...
...	41·655	+26·044	-5	...	...	...	29·407	-20·355	-3	...	...	...	16·848	-33·578	0·90	47·7166	9·8
...	-41·561	-49·240	-3	47·7136	10·2	...	29·393	+30·177	-5	...	...	*	-16·292	+40·008	1·10	46·7469	9·2
...	41·222	+37·581	-5	...	...	*	29·336	-58·471	1·25	47·7150	9·6	...	15·933	+40·491	-1	46·7471	9·8
...	41·080	-20·680	-4	...	...	*	29·319	-31·957	1·70	47·7151	8·8	...	15·811	-50·109	-2	47·7167	10·1
...	40·664	+35·478	-3	46·7447	10·2	...	28·861	-50·543	-4	...	...	...	15·698	+9·878	-2	46·7470	10·2
...	40·502	-13·979	-5	...	...	...	28·574	+25·469	-2	46·7456	10·2	...	15·638	-15·607	0·95	47·7168	9·6

64, 69. C.P.D. mass.
100. Faint and diffused.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
211-270																	
211	-14°956	-15°227	0.85	47.7169	9.7	271	-5°381	+37°477	-3	46.7487	10.2	331	+6°876	+34°819	-5	...	...
...	14°770	+31°421	-2	46.7472	10.2	...	5°154	+47°256	-5	...	...	...	6°912	-51°500	-5	...	...
...	14°770	-28°502	-5	...	...	...	4°863	-30°130	1°00	47.7185	9.6	...	6°955	-16°798	0°85	47.7197	9.7
*	14°769	-16°689	1.80	47.7170	8.8	...	4°188	-31°698	1°05	47.7186	9.4	*	7°082	-39°494	1°20	47.7198	9.2
...	14°540	+4°959	-4	...	...	...	3°964	-7°252	-4	47.7187	10.2	*	7°531	-49°866	1°00	47.7199	9.2
...	-14°403	-27°766	-3	...	...	...	-3°708	+57°768	0°70	45.7447	9.8	...	+7°539	-5°359	-4	...	...
...	14°398	+5°991	-5	...	...	...	3°674	+30°208	-5	...	...	...	7°753	-23°346	-3	47.7200	10.2
...	14°116	+2°731	-5	...	...	...	3°279	+38°946	-3	46.7488	10.2	...	8°150	-41°394	-5	...	...
S*	13°855	+50°680	1.90	46.7473	8.5	...	3°266	-57°384	1°20	47.7188	9.2	...	8°181	-56°995	-4	...	...
*	13°397	+13°749	1.20	46.7475	9.2	...	3°145	+33°754	-3	...	...	...	8°270	-42°295	-3	...	...
221	271-330																
...	-13°362	-6°910	-1	47.7171	10.2	281	-2°910	+3°560	1°00	46.7489	9.6	341	+8°572	+17°821	0°80	46.7502	9.8
...	13°136	+23°392	-1	46.7474	10.2	...	2°683	-15°273	-5	...	...	*	8°614	-4°571	1°80	46.7503	8.5
...	12°908	+15°318	-5	...	...	...	2°576	+19°808	-3	46.7490	10.1	...	9°365	+58°047	-1	45.7462	10.1
...	12°860	+54°421	-5	...	...	...	2°425	-16°187	-4	...	...	...	9°587	+29°163	-5	a	...
...	12°444	-33°557	-4	...	...	...	1°665	+35°373	-2	46.7492	10.1	...	9°628	-43°962	-5	...	...
...	-12°045	+46°614	0.70	46.7476	9.9	S*	-1°636	-58°142	1°25	47.7189	8.9	...	+9°632	-53°357	-5	...	...
...	11°776	+31°198	0.80	46.7477	9.6	...	1°586	+9°017	-3	46.7491	9.9	...	9°950	-36°584	-5	...	...
...	11°770	-12°117	-5	...	...	...	1°383	+34°658	-5	...	...	...	9°997	+6°094	-5	...	...
...	11°658	-35°639	-3	...	...	...	1°366	-25°160	-3	47.7190	10.2	...	10°228	-38°688	-5	...	...
...	11°604	-28°329	-4	...	...	...	1°309	-13°508	-4	...	...	...	10°476	-32°994	-5	...	...
231	331-390																
...	-11°533	-45°239	-1	47.7172	10.0	291	-1°204	+56°026	1°15	45.7450	9.6	351	+10°537	-55°769	-5	...	...
...	11°477	+30°664	-5	...	...	...	1°085	+43°544	1°00	46.7493	9.6	*	10°760	-28°357	1°80	47.7201	8.8
...	11°386	-38°638	-1	47.7173	10.0	...	0°843	-11°023	-5	...	...	†	10°945	-35°022	-5	...	...
*	11°315	+5°554	0.95	46.7478	9.4	...	0°719	+20°082	1°05	46.7494	9.6	...	10°985	+56°166	1°05	45.7463	9.6
...	11°171	+19°487	-3	...	...	...	0°333	+34°610	-5	...	...	...	11°713	+51°749	-5	...	...
*	-10°813	-34°574	2.90	47.7174	7.8	...	0°044	-53°254	-4	...	...	...	+11°783	+53°891	-5	...	...
...	10°703	-57°161	-5	...	...	...	0°623	+46°798	-5	...	...	...	12°190	+4°948	-4	...	...
...	10°589	-1°155	-5	...	...	...	0°845	+31°323	-5	...	...	...	12°300	-59°260	-4	...	...
...	10°441	-39°463	-1	47.7175	10.1	...	0°846	+15°373	-5	...	...	...	12°594	-7°013	-4	47.7202	10.2
...	10°416	-49°862	-4	...	...	...	0°921	-30°428	-3	...	...	†	12°612	-25°101	-5	...	...
241	301-361																
...	-10°410	+21°273	-5	...	...	...	+1°541	-8°349	-5	...	...	...	+12°680	+25°157	-2	46.7504	10.1
*	9°727	+27°860	1.20	46.7479	9.0	...	2°007	+22°859	-5	m	...	...	12°681	-25°669	-5	...	...
...	9°517	-23°126	1.05	47.7177	9.6	...	2°135	+3°601	0°80	46.7495	9.8	...	13°029	+39°040	-4	...	...
...	9°465	-34°926	0.70	47.7176	9.8	...	2°346	-56°515	-4	...	...	*	13°162	+0°738	1°05	46.7505	9.6
...	9°146	-48°913	0.70	47.7178	9.8	...	2°430	-47°412	-5	...	...	...	13°225	+21°760	-5	...	...
...	9°094	-41°998	-5	...	...	...	+2°509	-59°544	-5	...	...	*	+13°318	+8°612	1°10	46.7506	9.0
...	9°043	+47°275	-4	...	...	...	2°561	-7°709	1°90	47.7193	8.4	...	13°422	-7°915	-4	...	...
...	8°933	-48°384	-4	...	...	...	2°561	-41°305	1°10	47.7192	9.2	...	13°537	+11°607	-4	...	...
...	8°722	+36°700	-3	46.7480	10.2	...	2°880	+41°546	-4	...	...	...	13°584	-20°370	-2	47.7203	9.9
...	8°708	-52°581	-3	47.7179	10.2	...	3°278	+27°318	-3	...	...	...	13°920	+45°725	-5	...	...
251	311-371																
...	-8°473	+52°996	-5	...	...	...	+3°304	-22°148	-5	...	...	*	+13°934	-47°630	1°05	47.7204	9.6
...	8°423	+45°000	-5	...	...	...	3°317	+24°487	-1	46.7496	10.2	...	14°377	+12°540	-2	46.7507	9.9
...	8°049	+28°467	0.95	46.7481	9.6	...	3°575	+31°995	0°75	46.7497	10.0	...	14°800	-19°552	-4	...	...
...	7°825	-14°019	-4	...	...	...	3°690	-17°349	1°20	47.7194	8.8	...	14°824	+31°101	-5	...	...
*	7°478	-50°880	1.30	47.7180	9.2	...	3°879	-27°505	-5	M	...	...	14°851	+25°581	-4	...	...
...	-7°347	-6°626	-3	47.7182	10.2	...	+3°887	-8°683	-5	...	...	...	+15°091	-33°948	-5	...	...
...	7°004	-47°492	-3	...	...	...	4°030	-33°750	-5	...	...	*	15°103	-12°157	1°00	47.7206	9.4
†	6°993	+44°740	0.70	46.7482	9.7	...	4°119	-30°171	-5	...	...	...	15°230	-24°400	-5	...	...
...	6°944	+21°939	-5	m	...	...	4°144	+36°004	0°80	46.7498	9.7	...	15°359	+9°390	0°95	46.7508	9.6
†	6°391	+34°796	1.00	46.7483	9.4	...	4°144	-24°385	-5	...	...	...	15°434	+48°664	-4	...	...
261	321-381																
...	-6°359	-33°723	-3	47.7183	10.2	...	+4°151	-58°004	-4	...	...	S*	+15°482	-11°853	3.00	47.7207	7.5
...	6°137	+54°801	1.10	46.7484	9.4	...	4°256	-57°553	-3	...	...	...	15°972	-41°708	-4	...	...
...	6°073	-28°085	-4	...	...	...	5°166	+22°746	-1	46.7499	10.0	...	16°045	-1°490	-1	46.7509	9.9
...	6°027	+41°679	-5	m	...	...	5°435	+47°027	-1	46.7500	10.2	...	16°107	-14°174	-3	47.7208	10.2
...	6°021	+49°808	-5	...	...	...	5°465	+20°954	-3	...	...	S*	16°293	+15°817	2.15	46.7510	8.0
...	-5°840	+41°364	-5	...	...	...	+5°696	-54°597	-5	...	...	*	+16°697	-49°790	1°40	47.7209	9.2
...	5°779	-51°675	0.75	47.7184	9.8	...	5°900	-14°008	-2	47.7195	10.0	...	16°711	-33°159	-4	...	...
...	5°774	-22°202	-5	...	...	...	6°381	+29°617	0.65	46.7501	10.1	...	17°505	+44°493	0.65	46.7511	10.0
S*	5°584	+12°296	1.20	46.7485	9.2	...	6°577	-13°277	-3	47.7196	10.1	...	17°786	-40°980	-4	...	...
S*	5°459	+9°025	1.90	46.7486	8.5	...	6°835	+39°324	-3	...	...	...	17°807	-44°920	-5		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
391-450																		
391	+17.915	+32.289	-3	o	...	451	+27.920	+40.529	-4	o	...	511	+37.981	+19.183	-5	o	...	
*	18.004	-44.500	1.00	47.7210	9.6	...	28.000	-31.291	0.80	47.7224	9.7	S*	38.043	+6.499	1.15	46.7536	8.9	
...	18.084	-9.912	-5	...	...	...	28.197	-31.502	-4	...	...	...	38.287	-55.944	-5	...	...
...	18.218	-57.058	-4	...	...	...	28.211	-33.176	-2	...	...	...	38.412	-9.395	-5	...	...
...	18.429	-40.441	-4	...	...	...	28.308	+49.873	-5	a	...	...	38.572	-21.935	-5	...	...
...	+18.449	-7.514	0.70	47.7212	9.8	†	+28.336	+9.828	-5	...	...	...	+38.627	+59.261	-5	...	...
*	18.711	+27.090	1.00	46.7512	9.4	*	28.496	+37.788	1.10	46.7522	9.4	...	38.639	-45.641	-5	...	...
...	19.488	-55.991	-5	...	...	...	28.802	-50.437	-5	...	...	...	38.680	-20.701	-3	...	...
...	19.895	-8.737	-1	...	...	...	28.900	+14.614	0.90	46.7523	9.6	...	38.914	-1.152	-5	...	...
*	19.955	+38.728	1.00	46.7513	9.4	*	28.940	-26.958	1.80	47.7225	8.8	...	39.019	-27.710	0.80	47.7238	9.7	
401	+20.286	-56.572	-5	...	...	461	+29.902	+55.923	1.70	45.7481	8.8	521	+39.134	-12.057	-4	...	...
...	20.935	-22.448	-5	...	...	S*	29.994	+5.618	2.20	46.7524	8.3	...	39.323	-44.898	-5	...	...
...	21.287	+50.542	-5	a	...	...	30.109	+13.753	-5	a	...	...	39.463	+24.775	-5	...	...
*	21.306	-24.384	1.00	47.7213	9.2	*	30.535	+32.074	2.20	46.7525	8.4	...	39.470	+24.295	0.90	46.7537	9.6	
*	21.343	+31.993	1.00	46.7514	9.6	...	30.884	-25.797	-1	47.7226	10.1	...	39.796	-3.491	1.50	46.7538	8.2	
...	+21.528	+50.315	-5	b	...	...	+30.900	-22.461	-3	...	...	...	+39.978	-27.051	-5	...	...
...	21.869	+43.991	-3	...	...	...	31.018	+0.444	-4	...	...	...	40.037	+13.861	0.90	46.7539	9.6
...	21.872	-30.910	-5	...	...	*	31.021	-10.727	1.00	47.7227	9.4	...	40.421	-19.699	1.30	47.7239	9.2
*	21.934	-45.250	1.60	47.7215	8.8	...	31.520	-8.374	0.85	47.7228	9.7	...	40.608	-30.875	-5	...	...
...	21.939	-14.962	-3	47.7214	10.1	...	31.677	+22.929	-1	46.7526	10.0	...	40.946	-55.928	-5	...	...
411	+22.036	-29.954	-5	...	...	471	+31.723	+27.817	-5	a	...	531	+41.169	+51.350	-3	46.7540	10.2
...	22.084	+46.466	-4	a	...	N	31.818	-28.997	-5	...	...	...	41.217	-24.748	-3	47.7240	10.2
...	22.239	+19.481	0.90	46.7515	9.6	...	32.064	-6.870	-5	...	...	...	41.232	-1.800	-2	...	...
...	22.407	-3.136	0.80	46.7516	9.7	...	32.086	+45.202	-5	...	...	...	41.233	+8.567	-3	46.7541	10.2
...	22.476	+8.149	-3	...	...	...	32.168	-22.803	0.70	47.7229	9.8	...	41.445	+11.573	-3	...	...
*	+23.071	+23.021	1.40	46.7517	8.8	...	+32.250	+5.328	-5	...	...	*	+41.905	-49.354	1.60	47.7241	8.9
...	23.220	-27.177	-4	...	...	...	32.392	+4.690	-5	...	...	...	42.027	+9.995	-2	46.7542	10.2
...	23.232	-15.421	-4	47.7217	10.2	S*	32.493	-54.535	1.65	47.7231	8.6	...	42.075	-22.585	-4	...	...
...	23.372	+39.461	-5	a	...	...	33.163	+18.106	-5	...	...	...	42.553	-51.915	-4	...	...
*	23.609	+33.811	1.00	46.7518	9.2	...	33.336	+6.565	-2	46.7528	10.1	...	42.931	+33.857	-2	46.7543	10.2	
421	+23.615	-5.271	-1	47.7218	10.0	...	481	+33.389	-10.669	-4	+43.001	-1.436	-4
...	23.804	-6.664	-1	47.7219	10.2	...	33.635	+35.142	0.70	46.7527	9.9	...	43.196	+37.833	-3	46.7544	10.2	
...	23.805	-36.936	-2	47.7220	10.2	...	33.753	+20.341	-5	a	...	...	43.445	-16.548	-5	...	...
...	23.830	-21.855	-4	...	...	...	34.037	-38.327	-5	...	...	...	43.539	-40.360	-3	...	...
...	23.896	-53.366	-4	...	...	...	34.305	-3.861	-2	46.7531	10.2	...	43.665	-5.389	-5	...	...
...	+23.983	-57.824	-5	...	...	*	+34.313	+12.099	2.10	46.7530	8.4	...	+43.743	-52.511	-4	47.7242	10.2
...	24.204	+1.352	-4	...	...	*	34.331	-30.887	1.90	47.7232	8.6	...	43.756	+19.670	-2	46.7545	10.2
...	24.343	+13.496	-3	...	...	...	34.380	+7.247	0.65	46.7532	9.7	...	43.836	+50.797	-5	...	...
...	24.662	-20.691	-4	...	...	...	34.485	-20.579	0.90	47.7233	9.7	...	44.189	+11.453	-5	...	...
...	24.997	-17.154	-5	...	...	...	34.536	+48.855	-2	46.7529	10.2	...	44.235	+24.641	-5	e	...
431	+24.968	+55.237	-2	45.7479	10.1	...	491	+35.012	+34.531	-5	+44.254	-55.988	1.40	47.7243	9.0
...	25.143	+33.181	-3	46.7519	10.2	...	35.102	+58.323	-5	b	...	...	44.274	-14.040	-5	...	...
*	25.409	+6.352	1.80	46.7520	8.0	...	35.147	+37.779	-3	46.7533	10.2	...	44.625	+12.878	-5	...	...
...	25.440	+6.578	-2	46.7520	8.0	...	35.147	+18.309	-5	...	...	...	44.647	-27.016	-4	...	...
...	25.927	-43.491	-1	...	...	...	35.996	+58.178	-1	45.7488	10.2	...	44.882	+13.525	0.80	46.7546	9.8
...	+25.944	+11.352	-3	46.7521	10.2	...	+36.145	-4.116	-5	...	...	...	+44.979	+35.149	-4	...	...
...	26.004	-28.496	-3	...	...	...	36.317	-7.671	-2	47.7235	10.2	...	45.467	-41.621	-3	47.7244	10.2
...	26.040	+35.738	-5	a	...	...	36.411	-51.694	-5	...	...	...	45.514	-30.364	-4	...	...
...	26.293	-19.275	-3	...	...	...	36.810	-15.200	-2	47.7236	9.9	...	45.641	+36.208	-5	e	...
...	26.448	-19.437	-5	...	...	...	36.815	+53.618	1.30	46.7534	9.2	...	45.676	-20.251	0.75	47.7245	9.8
441	+26.938	+2.439	-4	...	...	...	+36.879	+2.954	-4	...	...	...	+45.709	-0.010	-3	f	...
...	27.013	-14.973	-1	47.7222	10.1	...	36.901	+20.449	-4	...	...	...	45.794	+36.667	-2	46.7547	10.2
*	27.090	-58.641	1.20	47.7223	9.2	...	36.909	-33.841	-5	...	...	...	46.594	+2.644	-3	...	...
...	27.269	-25.452	-2	...	...	...	36.948	-21.936	-4	...	...	...	46.634	-4.502	-4	...	...
...	27.345	-42.005	-5	...	...	...	37.122	-54.634	-5	...	...	...	46.662	-44.617	-3	...	...
...	+27.411	+44.303	-4	...	...	...	+37.274	-2.298	-1	46.7535	10.1	...	+46.951	+32.404	-4	...	...
...	27.449	+57.890	-5	...	...	...	37.376	-37.910	-5	...	...	...	47.023	+53.210	-3	46.7548	10.2
...	27.688	-21.849	-2	...	...	...	37.413	+58.678	0.80	45.7491	9.8	...	47.180	+18.592	-5	e	...
...	27.721	+51.039	-5	b	...	...	37.438	-0.885	-5	...	...	...	47.514	-6.268	-1	47.7246	10.0
...	27.821	-31.104	-4	...	...	...	37.591	-34.358	0.75	47.7237	9.8	...	47.874	+18.556	-3	...	...

472. Mass. 48°.94, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
571-590																		
57 ¹	+48·002	-0·217	-5	o	e	...	59 ¹	+52·007	-47·840	1·80	47·7249	8·9	...	+55·867	+20·549	0·80	46·7560	9·6
...	48·071	+37·839	-2	46·7549	10·2	...	52·078	+20·826	-1	46·7554	10·0	...	55·879	-26·030	-5	...	...
*	48·163	-14·798	2·00	47·7247	8·2	...	52·369	+24·796	-5	e	...	...	56·261	-47·457	-5	...	...
...	48·662	-8·936	-3	...	...	...	52·706	+22·282	1·05	46·7557	9·6	...	56·265	+26·713	-5	...	...
...	49·177	+50·526	-5	e	...	...	52·723	+35·800	-5	e	...	...	56·379	-37·554	0·80	47·7253	10·1
...	+49·199	+12·455	-4	...	...	...	+52·892	+35·548	0·80	46·7555	9·6	*	+56·805	+37·260	1·20	46·7561	9·4
...	49·293	-3·972	-5	...	...	...	52·932	-31·145	-3	47·7250	10·2	*	57·375	+29·631	1·20	46·7562	9·2
...	49·500	-30·701	-4	...	...	...	53·014	-3·977	-5	...	...	...	57·461	+0·502	-5	e	...
...	49·929	-47·397	-5	...	...	*	53·030	+38·626	1·35	46·7556	8·8	...	57·641	+11·725	-5	...	...
...	50·192	+26·529	-5	...	...	...	53·326	-1·093	-5	...	...	...	57·642	-18·584	0·95	47·7254	9·6
58 ¹	...	...	...	...	...	60 ¹	...	...	...	...	...	62 ¹	...	...	...	...	...
...	+50·240	-49·148	-5	...	...	...	+53·415	-16·219	-4	...	...	*	+57·776	+25·060	1·25	46·7563	9·0
...	50·545	+51·448	0·65	46·7550	9·9	...	53·520	-20·493	0·75	47·7251	10·1	...	58·594	-49·467	-5	...	...
...	50·704	-54·687	0·80	47·7248	10·2	...	53·705	+43·667	-5	e	...	...	59·498	-23·349	-3	...	...
...	50·732	+25·611	0·95	46·7551	9·6	...	53·953	+9·555	-3	...	...	S*	59·503	-40·885	1·20	47·7257	9·2
...	50·836	-17·337	-4	...	...	...	54·063	+34·529	0·65	46·7558	10·1	+	59·629	-10·560	0·95	47·7256	9·6
...	+50·994	+22·159	-3	46·7552	10·2	...	+54·293	+44·056	-5	e	...	...	...	...	...	...	...
...	51·583	+17·406	-5	...	...	*	54·571	-5·591	2·00	47·7252	8·2	...	...	...	...	...	...
...	51·804	-38·667	-5	...	...	...	54·783	-20·027	-5	...	...	...	...	...	...	...	...
...	51·816	+50·761	0·80	46·7553	10·0	...	55·172	+52·558	-2	46·7559	10·2	...	...	...	...	...	...
...	51·850	+5·276	-4	...	...	...	55·861	-55·164	-5	...	...	...	...	...	...	...	...

1-30						31-60						61-90					
I	-59·878	-24·128	-5	o	...	3 ¹	-57·541	+26·106	-5	M	...	6 ¹	-54·559	+21·046	-5	o M .	...
...	59·768	-9·375	-5	M	...	...	57·538	-43·351	-5	...	...	...	54·457	-8·350	-5	...	...
...	59·632	-4·696	-5	M	...	...	57·509	-40·578	-2	...	...	...	54·405	+38·103	-4	B	...
...	59·596	-56·224	-4	...	...	...	57·507	+9·618	-5	M	...	...	54·404	-43·416	-4	...	...
...	59·557	-10·220	-4	...	...	...	57·354	-29·522	-5	...	...	...	54·333	-0·304	-2	E	...
...	-59·530	-22·857	-4	...	...	†	-57·263	+39·974	-5	M	...	...	-54·250	-44·738	-2	...	...
...	59·502	-30·835	-5	M	...	...	57·087	-5·532	-4	...	...	...	53·909	+45·185	-5	M	...
...	59·278	-1·691	-2	...	...	...	56·995	+53·058	0·65	46·7548	10·2	...	53·777	+11·398	-4	M	...
...	59·203	+50·718	-5	M	...	...	56·902	-52·720	-3	47·7242	10·2	†	53·697	-14·874	1·80	47·7247	8·2
...	59·193	+19·430	0·65	46·7545	10·2	...	56·809	-27·210	-3	...	...	...	53·517	+12·386	-3	...	...
II	...	...	...	...	...	4 ¹	...	...	...	...	...	7 ¹	...	...	...	...	...
...	-59·139	-24·720	-5	M	...	...	-56·742	+14·495	-5	M	...	...	-53·517	-54·485	-5	...	...
...	59·068	-9·356	-5	...	...	...	56·676	-57·561	-5	M	...	...	53·491	+31·813	-4	M	...
...	58·866	+24·408	-4	E	...	...	56·614	-0·179	-2	F	...	...	53·423	+51·414	0·85	46·7550	9·9
*	58·841	-49·624	2·00	47·7241	8·9	...	56·575	-57·187	-4	...	...	...	53·386	-9·015	-2	...	...
...	58·783	-10·491	-5	...	...	...	56·401	+32·250	-2	...	...	...	53·193	+45·587	-5	M	...
...	-58·678	+0·800	-5	M	...	*	-56·279	-56·168	1·35	47·7243	9·0	...	-53·124	+5·365	-5	M	...
...	58·540	+37·747	-5	M	...	*	55·985	-20·418	0·85	47·7245	9·8	...	53·077	+22·260	-5	M	...
...	58·506	+11·229	-3	...	...	...	55·831	-30·533	-3	...	...	...	52·963	+26·484	-2	...	...
...	58·479	-5·620	-4	...	...	...	55·803	+2·492	-3	...	...	...	52·912	-4·028	-2	...	...
†	58·441	+34·939	-2	...	...	...	55·789	+1·813	-5	M	...	...	52·461	+10·393	-5	M	...
21	...	...	...	...	...	5 ¹	...	...	...	...	...	8 ¹	...	...	...	...	...
...	-58·358	-16·801	-4	...	...	...	-55·720	+18·450	-4	E	...	*	-52·405	+25·581	0·95	46·7551	9·6
...	58·130	+12·675	-3	...	...	...	55·532	-4·639	-3	...	...	...	52·228	+58·764	-4	A	...
...	58·117	-52·149	-4	...	...	...	55·526	-41·779	0·65	47·7244	10·2	...	52·149	-29·448	-4	...	...
...	58·024	-35·318	-5	...	...	...	55·444	+37·717	0·70	46·7549	10·2	...	52·104	+50·766	0·90	46·7553	10·0
*	-57·859	+45·382	-5	M	...	†	55·043	+18·447	-1	...	...	...	52·030	+22·145	0·70	46·7552	10·2
...	-57·317	0·80	46·7546	9·8	...	...	-55·037	+57·446	-4	B	...	...	-51·957	-15·870	-5	M	...
...	57·814	+36·025	-4	E	...	...	54·756	+50·455	-3	E	...	...	51·857	-30·722	-2	...	...
...	57·797	-53·361	-5	...	...	...	54·707	-32·338	-5	...	...	...	51·734	-1·349	-4	A	...
...	57·697	+36·478	0·70	46·7547	10·2	...	54·657	-12·247	-4	...	...	...	51·300	+17·466	-2	...	...
...	57·603	-14·445	-4	...	...	...	54·616	-6·368	0·80	47·7246	10·0	...	51·133	-24·373	-5	M	...

ES measured from 1, 104, 212, 323, 447, 569, 686, 788, 906, 1038, 1147, 1277.
MC " " 55, 162, 277, 381, 512, 631, 736, 852, 974, 1097, 1215, 1343.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
91-150																		
91	-50°922	-17°337	-2	o	...	151	-46°027	-12°656	-5	o M	...	211	-40°233	-57°176	o 80	47.7259	10°0	
...	50°910	+20°845	0°75	46.7554	10°0	...	45°987	+53°218	-4	B	...	...	40°047	+51°903	-4	B	...
...	50°859	-47°412	-2	...	...	...	45°898	+2°476	-5	M	...	...	40°022	+45°395	-1	...	...
...	50°753	+35°831	-2	E	...	*	45°889	+29°820	1°15	46.7562	9°2	...	39°972	-29°009	-4	...	...
...	50°726	+24°838	-2	E	...	...	45°628	+9°637	-4	M	...	...	39°853	+44°981	0°65	...	...
...	-50°649	+5°287	-2	...	...	...	-45°614	-25°864	-3	...	...	...	-39°699	-29°788	-5	...	...
*	50°570	+35°589	0°90	46.7555	9°6	...	45°482	-31°275	-5	...	...	...	39°600	-48°813	-5	...	...
*	50°519	+38°669	1°20	46.7556	8°8	*	45°336	+25°252	1°25	46.7563	9°0	...	39°456	+16°788	-3	...	...
...	50°505	+30°382	-4	M	...	...	45°323	+29°123	-5	M	...	...	39°434	-0°954	0°75	46.7566	10°0
...	50°503	-49°138	-2	...	...	...	45°286	+44°249	-5	M	...	...	39°356	+50°601	-3	A	...
101	-50°322	+22°323	0°90	46.7557	9°6	...	-45°228	-31°507	-5	M	...	...	-39°308	+28°615	-2	...	...
...	50°308	+37°242	-5	M	...	...	45°060	-13°430	-3	...	...	...	39°218	-18°024	-5	...	...
+	50°150	+21°371	-4	M	...	+	45°058	+11°923	-2	...	...	...	39°034	+49°804	0°90	46.7567	10°0
+	50°075	+18°152	-4	M	...	+	45°014	+27°038	-4	M	...	...	38°990	+58°977	-5	M	...
...	50°013	+43°739	-4	E	...	...	44°963	-25°821	-5	M	...	...	38°939	-8°641	0°75	47.7262	10°1
...	-49°973	-40°422	-5	M	...	...	-44°885	+0°719	-3	E	...	*	-38°935	-38°921	0°95	47.7260	9°6
...	49°885	-54°656	0°85	47.7248	10°2	*	44°762	-37°353	0°90	47.7253	10°1	...	38°886	+16°003	-3	...	...
...	49°818	-49°876	-4	...	...	...	44°727	+5°703	-5	M	...	...	38°845	-36°314	0°75	47.7261	10°2
...	49°765	+36°841	-5	M	...	...	44°711	-54°971	-3	...	...	...	38°530	-21°591	-5	...	...
...	49°743	+59°266	-4	M	...	...	44°548	-47°257	-3	...	...	...	38°408	+32°953	-1	46.7568	10°2
111	-49°699	-27°520	-4	...	...	...	-44°115	+52°331	-1	...	...	...	-38°361	+43°504	-2	...	...
...	49°538	+38°040	-5	M	...	*	44°105	-18°358	0°95	47.7254	9°6	...	38°167	-9°881	-5	...	...
...	49°518	-3°035	-5	M	...	...	43°671	-2°586	-5	M	...	...	38°054	-28°363	-5	...	...
...	49°428	+44°148	-3	E	...	...	43°275	+52°833	-5	M	...	...	38°031	-16°107	-2	...	...
...	49°361	+34°612	0°80	46.7558	10°1	...	43°025	-24°953	-5	...	...	...	37°992	-24°327	-5	...	...
...	-49°304	-38°620	-4	...	...	...	-42°828	-17°395	-5	M	...	...	-37°873	-25°618	-3	...	...
...	49°238	+6°116	-5	M	...	...	42°730	-36°989	-4	...	...	...	37°842	-0°694	0°65	...	...
...	49°196	-3°912	-4	...	...	...	42°712	-4°453	-5	...	...	*	37°841	-59°377	1°00	47.7263	9°8
...	49°193	+35°542	-5	M	...	*	42°701	-28°919	-5	M	...	...	37°708	+3°172	-5	M	...
...	49°172	-2°851	-5	M	...	...	42°367	-10°283	1°00	47.7256	9°6	...	37°653	+38°242	-4	M	...
121	-48°987	-1°017	-3	181	-42°263	+43°354	-3	A	241	-37°569	-6°672	-3
...	48°917	+58°298	-5	M	...	...	42°158	-49°186	-1	...	...	...	37°504	-13°330	-5	...	...
...	48°813	+52°674	0°80	46.7559	10°2	+	42°120	+44°899	1°00	46.7564	9°5	...	37°477	+56°625	0°80	...	...
*	48°800	-47°774	1°70	47.7249	8°9	...	42°098	-23°063	0°70	...	...	...	37°429	+2°244	-4	M	...
...	48°774	+27°043	-5	M	...	...	42°053	-34°599	-3	...	...	...	37°115	+27°297	-5	M	...
...	-48°688	+9°635	-2	...	...	...	-41°744	-27°351	-4	...	...	...	-37°103	+3°546	-3	...	...
...	48°563	+58°439	-4	B	...	...	41°721	+48°438	-1	...	...	...	37°074	+19°554	-5	M	...
...	48°553	-8°828	-4	...	...	...	41°696	+59°070	-2	...	...	...	36°985	+29°878	-3	...	...
...	48°529	+44°504	-4	M	...	...	41°642	-33°883	-5	...	...	...	36°907	-4°741	0°65	46.7569	10°2
...	48°415	-31°055	-2	47.7250	10°2	...	41°621	+9°368	-5	M	...	...	36°878	+14°290	-3	...	...
131	-48°400	-16°132	-3	191	-41°601	+35°505	-5	M	251	-36°665	-39°420	-5
...	48°163	-20°407	0°70	47.7251	10°1	...	41°572	-42°831	-4	A	...	...	36°630	-17°968	-3	...	...
...	48°145	+19°349	-5	M	...	S *	41°528	-40°590	1°10	47.7257	9°2	...	36°577	+48°884	-5	M	...	
...	48°044	+18°267	-5	M	...	...	41°423	+20°643	-1	...	...	...	36°570	-9°117	-5	...	...
...	47°963	+47°488	-5	M	...	...	41°357	+39°233	-5	M	...	...	36°479	-44°953	-5	...	...
...	-47°657	-3°301	-5	M	...	...	-41°345	-26°654	-4	...	...	...	-36°463	-25°835	-5	...	...
*	47°565	-5°478	2°20	47.7252	8°2	*	41°236	-0°116	0°95	46.7565	9°8	...	36°425	+3°356	-5	M	...	
...	47°552	-11°683	-5	...	...	...	41°230	+59°205	-1	...	...	*	36°369	-51°327	1°05	47.7264	9°6
...	47°488	+8°463	-5	M	...	...	41°033	-51°287	-2	...	...	...	36°346	-55°948	0°65	...	...
*	47°109	+20°688	0°90	46.7560	9°6	...	40°949	-6°566	-4	...	...	...	36°332	+7°032	-5	M	...
141	-46°913	+26°878	-3	201	-40°938	+55°453	-4	B	261	-36°245	-21°230	0°70	47.7266	10°0
...	46°900	-19°892	-3	...	...	...	40°926	+38°968	-5	M	...	...	36°162	+29°237	-1	...	...
...	46°870	+10°977	-5	M	...	*	40°900	-27°334	0°90	47.7258	9°8	*	36°096	-53°379	1°05	47.7265	9°6	
...	46°721	-32°900	-5	...	...	...	40°851	+12°332	-3	...	...	...	36°055	+47°034	-5	M	...
*	46°713	+37°417	1°10	46.7561	9°4	...	40°765	-31°626	-5	M	...	...	36°035	-43°102	-5	...	...
...	-46°636	+32°632	-5	M	...	...	-40°753	+32°940	-4	M	...	...	-35°989	-21°943	-5	M	...
...	46°508	+55°641	-3	B	...	...	40°685	+55°886	0°75	45.7520	10°2	...	35°842	-37°418	-4	...	...
...	46°359	+39°685	-5	M	...	...	40°655	+37°168	-5	M	...	...	35°764	-18°612	0°80	47.7267	10°0
...	46°171	-5°209	-5	M	...	...	40°597	-58°744	-5	...	...	...	35°670	+31°006	-5	M	...
...	46°078	-32°030	-5	...	...	...	40°543	-59°484	-4	...	...	*	35°574	+13°644	1°00	46.7570	9°5

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
271-330																	
271	-35°53'4	-17°03'0	-5	.	...	331	-29°52'7	+20°27'2	-5	M	...	391	-24°23'8	-22°89'9	-5	...	...
...	35°48'9	+59°65'9	-5	M	...	...	29°50'9	+36°10'9	-3	...	...	...	24°19'9	+1°44'2	-4	M	...
...	35°40'0	-6°73'5	-5	...	...	...	29°43'4	-19°63'9	-5	M	...	...	24°11'4	-9°75'3	-5	M	...
...	35°25'6	+19°13'1	-5	M	...	...	29°40'8	-56°33'2	-2	...	...	...	23°99'9	+56°47'0	-2	...	...
†	35°19'3	+7°36'3	-5	M	...	...	29°35'9	-10°90'2	-5	...	...	...	23°71'7	+50°21'9	-4	M	...
†	35°17'9	+36°73'5	-4	B	...	...	29°25'4	-41°99'8	-5	M	...	...	-23°68'6	-12°44'0	-5	...	...
...	35°04'4	+6°78'3	-4	M	...	...	29°15'8	+8°87'6	0°65	46.7576	10°2	...	23°37'2	+1°85'1	-5	M	...
...	35°01'6	+15°30'3	-3	A	...	...	29°00'5	-37°74'0	-2	...	...	...	23°34'8	+14°92'2	0°65	...	...
...	34°95'0	-49°46'3	-4	...	...	...	28°99'4	-17°98'5	-4	...	...	...	23°25'4	+18°75'6	-4	B	...
...	34°81'3	+18°19'1	-3	...	...	*	28°96'3	-16°66'9	1°00	47.7275	9°6	...	23°24'9	+17°98'0	-3	...	...
281	-34°76'9	-31°99'5	-4	...	...	341	-28°75'2	-59°53'2	1°10	47.7272	9°5	401	-23°24'7	+39°12'8	-3	...	...
...	34°73'4	-23°22'2	0°80	47.7268	10°2	*	28°70'2	-3°79'4	0°80	46.7577	9°9	...	23°23'7	+0°77'4	-5	M	...
...	34°59'6	-8°75'5	-4	...	...	*	28°65'5	-58°02'6	1°50	47.7273	9°0	...	23°19'0	+18°72'7	-5	M	...
...	34°56'9	+56°07'5	0°90	45.7525	10°0	...	28°44'0	-44°67'3	-4	...	...	S*	23°13'7	-9°03'6	1°80	47.7280	8°4
...	34°52'2	-21°32'7	-3	...	...	*	28°43'1	-31°51'0	1°25	47.7276	9°2	...	23°08'5	-39°98'5	-4	...	...
...	34°44'3	-31°15'8	-3	...	...	...	28°29'8	+55°68'3	-4	A	...	...	23°05'8	+37°25'3	-1	...	...
...	34°44'1	-58°07'1	-4	...	...	...	28°28'8	-10°48'2	-5	M	...	...	23°03'4	+54°13'3	-2	...	...
...	34°09'7	-38°66'1	-4	...	...	...	28°27'3	-24°99'7	-4	...	...	...	22°71'2	+54°74'5	0°90	46.7582	9°9
...	34°06'1	-11°57'0	-5	...	...	...	28°25'8	-33°83'1	-2	...	...	...	22°68'0	+43°45'1	0°95	46.7580	9°5
...	33°94'5	+24°88'2	-4	...	...	...	28°19'0	+17°67'7	-5	M	...	...	22°59'3	+39°49'4	0°90	46.7581	9°8
291	* -33°91'2	+27°05'2	1°60	46.7571	8°6	351	-27°94'5	-47°44'0	-5	...	...	411	-22°55'7	+39°70'2	-5	M	...
...	33°88'0	+19°53'5	-3	A	...	...	27°62'0	+29°04'5	-3	...	...	...	22°45'9	+53°36'6	-4	B	...
...	33°82'0	+13°82'9	-4	B	...	...	27°60'6	+31°98'3	-5	M	...	...	22°40'8	-16°63'8	0°70	47.7281	10°1
...	33°75'8	+34°05'1	-3	A	...	...	27°55'1	-47°14'3	-5	...	...	...	22°27'7	-13°62'3	-3	...	...
...	33°68'2	+41°21'4	-5	M	...	...	27°24'1	+46°48'8	-5	M	...	...	22°24'0	+55°35'7	-5	M	...
...	-33°47'9	-53°59'1	-4	...	...	...	27°19'1	+37°34'2	-4	B	...	...	-22°20'1	+17°86'7	-5	M	...
...	33°40'4	-34°27'4	0°80	47.7269	10°2	†	27°17'1	+19°93'4	-2	...	...	...	22°16'1	+29°61'0	-4	A	...
...	33°26'2	+48°97'7	-4	M	...	...	27°15'0	+8°26'2	-4	...	...	...	21°96'5	+24°53'4	0°75	46.7583	10°1
...	33°12'0	-0°25'5	-5	M	...	...	27°12'6	-44°09'5	-5	...	...	...	21°95'3	+0°23'0	-4	M	...
...	32°93'2	+8°28'9	-2	...	...	*	27°04'5	+40°06'9	1°00	46.7578	9°6	...	21°89'8	+29°76'2	-4	B	...
301	-32°88'5	+14°15'2	-2	...	...	361	-27°02'8	-0°43'2	-4	A	...	421	-21°77'5	-5°17'2	-4	...	...
...	32°85'5	-17°18'2	0°80	...	...	...	26°86'7	+5°89'6	-5	M	...	...	21°76'7	+26°24'4	0°65	...	...
...	32°74'9	+27°01'2	0°80	46.7572	10°1	...	26°80'0	+44°55'9	-5	M	...	...	21°63'8	+56°67'2	-3	B	...
...	32°58'1	-51°79'9	-5	M	...	...	26°72'5	-25°10'5	-4	...	...	...	21°62'4	+28°26'3	-4	...	...
...	31°95'3	-51°32'6	-2	...	...	...	26°69'4	-37°62'2	-3	...	...	...	21°60'6	-36°11'8	-4	...	...
...	* -31°85'5	-48°73'6	1°20	47.7270	9°2	...	26°42'2	+0°35'4	-4	M	...	...	21°52'9	+43°72'2	-1	...	...
...	31°48'3	+32°63'3	-5	M	...	...	26°41'2	+13°10'7	-5	M	...	...	21°51'9	+30°19'3	-4	A	...
...	31°31'9	-29°43'0	-5	...	...	*	26°39'0	-49°34'0	-5	...	...	...	21°51'5	+17°07'6	-5	M	...
...	31°00'6	-9°10'7	-5	M	...	*	25°92'2	-17°42'2	1°05	47.7277	9°6	...	21°42'0	-45°71'7	-4	...	...
...	30°99'9	-27°28'7	-5	M	...	...	25°89'9	+17°50'4	-5	M	...	...	21°39'7	-10°42'3	-3	...	...
311	-30°99'5	-57°51'7	0°90	47.7271	10°0	371	-25°85'9	-57°29'3	-1	...	...	431	-21°34'4	-25°17'0	-4	...	...
...	30°90'8	+36°33'2	-5	M	...	...	25°82'2	-16°32'4	-2	...	...	...	21°30'0	+28°29'2	-1	46.7584	10°2
...	30°87'5	+37°01'2	-4	B	...	...	25°80'1	-10°79'0	-5	M	...	...	21°28'8	+3°03'1	-4	M	...
S*	30°81'4	+55°30'9	1°10	45.7529	9°0	*	25°79'4	+57°31'4	1°30	45.7536	9°3	...	21°01'6	-55°91'1	-5	...	...
...	30°69'6	+43°93'4	-5	M	...	...	25°51'0	-1°04'7	-5	M	...	*	20°88'9	-12°32'9	0°95	47.7282	9°6
...	-30°63'3	-32°05'2	-3	...	...	...	25°41'7	+54°29'1	0°75	...	...	...	-20°87'2	+5°28'2	0°90	46.7585	9°9
...	* 30°61'7	-3°13'1	1°30	46.7573	9°0	...	25°22'5	+38°26'2	-4	...	...	...	20°81'6	+39°25'0	0°80	46.7588	10°1
...	30°56'8	+27°98'2	0°65	...	...	†	25°21'1	+20°96'1	-5	M	...	...	20°77'9	-46°59'3	-3	...	...
...	30°52'4	-20°51'0	-4	...	...	†	25°20'5	+27°49'3	-5	M	...	*	20°73'4	+24°56'8	1°20	46.7587	9°0
...	* 30°48'6	+12°80'7	1°40	46.7574	8°9	†	25°16'0	+40°81'9	-4	A	...	...	20°72'2	+55°21'0	-4	A	...
321	-30°46'1	+41°22'9	-5	M	...	381	-25°12'8	-37°57'8	-4	...	...	441	-20°66'5	-31°61'0	-5	...	...
...	30°36'7	+11°36'1	-3	...	...	...	24°90'5	+23°65'0	-4	M	...	...	20°65'2	+7°24'2	0°80	46.7586	10°0
...	29°92'1	+6°26'6	-5	M	...	...	24°82'1	-24°66'9	-3	...	...	...	20°53'0	+3°91'1	-5	M	...
S*	29°83'2	+6°81'6	1°45	46.7575	8°8	*	24°81'6	+37°75'0	0°90	46.7579	9°6	...	20°48'5	+45°24'5	-4	B	...
...	29°80'4	+23°60'0	-5	M	...	...	24°63'9	+4°43'1	-1	...	...	...	20°32'9	-21°99'4	-5	...	...
...	-29°79'7	-56°47'9	-5	...	...	*	-24°57'4	-45°65'1	1°10	47.7278	9°4	...	-20°23'3	+2°59'4	-4	M	...
...	29°74'5	+55°14'4	0°80	45.7531	10°2	...	24°49'3	-49°19'6	-4	...	...	*	20°08'5	-58°95'1	1°00	47.7283	9°6
...	29°69'7	-47°98'9	-2	...	...	...	24°42'1	-47°58'2	-5	M	...	...	20°02'8	-10°53'8	-3	...	...
...	29°59'6	+58°90'1	0°85	45.7532	10°1	*	24°34'7	-30°23'2	1°00	47.7279	9°6	...	19°88'9	+46°43'7	-5	M	...
...	29°54'4	-19°13'6	-5	...	...	...	24°32'9	-40°15'6	-1	...	...	...	19°85'6	+33°15'6	-4	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
451-510																	
451	-19.777	+52.731	0.80	46.7589	10.1	511	-15.414	+26.919	0.70	46.7596	10.0	571	-10.102	+19.056	-4	...	...
...	19.657	-16.682	-4	...	...	...	15.219	-37.374	-2	...	...	...	10.060	+53.615	-5	M	...
...	19.407	+18.965	-5	M	...	...	15.048	-51.692	-4	...	...	...	10.032	+32.507	-3	...	...
...	19.395	+40.664	-2	...	...	...	15.023	-51.745	-5	M	...	...	9.922	+6.048	-4	...	...
...	19.384	-2.779	-5	M	...	...	14.712	+11.075	-3	A	...	...	9.905	+11.859	-1	...	...
...	-19.226	-44.926	-4	...	...	...	-14.508	+41.808	0.65	...	...	...	-9.862	-32.204	0.70	47.7301	10.0
...	19.098	+22.306	-5	M	...	...	14.462	-14.710	-2	...	...	*	9.848	+17.912	1.05	46.7598	9.4
...	19.052	+26.504	-4	M	...	*	14.307	-52.002	2.10	47.7293	8.1	...	9.832	-33.887	-5	M	...
...	19.009	-26.853	-5	...	...	...	14.301	+9.586	-2	...	...	...	9.831	+6.206	-5	M	...
...	18.900	-14.441	-4	...	...	...	14.259	+12.980	-4	M	...	...	9.828	+33.546	-3	...	...
461	-18.808	+29.700	-5	M	...	521	-14.168	+54.497	-5	M	...	...	9.820	+5.125	-5	M	...
...	18.751	+44.520	-5	M	...	...	14.149	-3.631	-5	...	...	...	9.469	-0.032	-5	M	...
...	18.706	+21.843	-5	M	...	...	14.006	+46.706	-4	B	...	...	9.454	-18.959	-4	...	...
...	18.618	+21.060	-4	...	...	...	13.938	-53.338	0.80	47.7294	10.1	...	9.276	+32.036	-5	M	...
...	18.606	+37.964	-4	M	...	...	13.917	+52.959	-5	M	...	...	9.208	+40.982	-4	...	...
*	-18.505	+11.027	1.70	46.7590	8.8	*	-13.835	-57.474	0.90	47.7295	10.0	...	-8.760	+27.411	-4	M	...
...	18.313	-0.308	-1	46.7591	10.2	...	13.616	-36.785	-5	...	...	...	8.711	-5.597	0.80	47.7302	10.2
...	18.295	+28.087	-3	...	...	...	13.565	+46.876	-4	A	...	...	8.539	+5.298	-2	...	...
...	18.137	+48.821	-3	...	...	...	13.466	+47.403	0.65	...	...	...	8.411	+34.423	-5	M	...
...	18.135	+21.699	-5	M	...	...	13.425	-24.980	-3	...	...	...	8.358	+39.944	1.00	46.7599	9.4
471	-18.128	-26.390	-5	...	...	531	-13.360	-50.839	-5	...	...	...	8.272	+2.247	-5	M m	...
...	18.109	+16.043	-5	M	...	...	13.355	-52.321	-5	...	...	*	8.241	-26.590	1.10	47.7303	9.2
...	18.064	+49.604	-3	...	...	...	13.270	+35.472	-5	M	...	...	8.188	-45.131	-4	...	...
...	18.005	+48.030	-5	M	...	...	13.146	-31.504	-4	...	...	...	8.187	+12.304	-4	m	...
...	18.001	-46.844	-5	M	...	...	13.091	+24.307	-3	...	...	...	8.173	+12.685	-5	m	...
*	-17.988	+3.638	-2	...	...	...	-13.059	+54.707	-5	M	...	...	-8.136	+49.496	-1	46.7600	10.2
*	17.904	-17.738	0.95	47.7286	9.6	...	12.867	-35.792	-3	...	...	...	8.122	+13.489	-3	...	...
...	17.893	+52.896	-5	M	...	...	12.831	-10.073	-4	...	...	...	7.967	-41.986	-3	...	...
...	17.702	-42.889	-5	...	...	...	12.763	-26.917	-3	...	...	...	7.871	+19.376	0.65	46.7601	10.1
*	17.649	+40.360	0.95	46.7592	9.6	†	12.569	-19.889	-2	...	...	...	7.837	+8.774	-4	m	...
481	-17.637	+27.426	-5	M	...	541	-12.552	+30.263	-5	M	...	...	7.702	-29.563	-5	M m	...
...	17.450	-40.392	-5	...	...	...	12.468	-3.536	-4	...	...	...	7.578	+22.687	-2	...	...
*	17.404	+37.217	0.85	46.7593	9.8	...	12.463	+38.708	-5	M	...	...	7.569	+58.244	-5	M m	...
...	17.312	-59.050	0.90	47.7287	9.9	...	12.354	-22.923	-5	M	...	...	7.463	-41.614	-5	m	...
...	17.195	-44.310	-4	...	...	...	12.345	+15.041	-2	...	...	...	7.383	-6.810	0.70	...	...
...	-17.135	-34.373	0.65	47.7288	10.1	...	-12.297	+52.611	-5	M	...	...	-7.366	-32.625	-5	m	...
...	17.100	-37.292	0.65	47.7289	10.2	...	12.225	+4.875	-4	M	...	*	7.276	-40.540	1.10	47.7304	9.4
...	16.983	+37.925	-3	A	...	...	12.199	+27.020	-2	...	...	...	7.152	+45.731	-4	...	...
...	16.882	+37.723	-5	M	...	*	12.064	+5.772	0.75	46.7597	10.2	...	7.033	+57.461	-3	...	...
...	16.867	-18.421	-5	...	...	...	12.044	+23.674	-5	M	...	...	6.952	-50.287	-2	...	...
491	-16.824	-29.695	0.65	47.7290	10.2	...	-12.021	-6.796	-5	...	...	...	6.926	+39.588	-4	...	...
*	16.815	+23.563	1.00	46.7594	9.5	...	11.918	-8.939	-2	...	...	*	6.901	+18.452	0.80	46.7602	9.8
...	16.798	+51.949	-5	M	...	...	11.875	+41.086	-3	A	...	...	6.809	+14.945	-5	M m	...
...	16.597	+33.508	-4	A	...	*	11.791	-12.105	0.90	47.7297	9.8	*	6.717	+48.198	1.25	46.7603	9.0
...	16.593	+25.663	-5	M	...	...	11.739	-24.532	-5	M	...	...	6.593	-12.413	-4	...	...
†	-16.509	-14.930	-4	...	...	*	-11.454	-24.650	3.40	47.7298	7.2	...	-6.589	-46.641	-4	...	...
...	16.418	-48.445	-5	...	...	...	11.402	+15.281	-3	A	...	...	6.498	+55.311	-3	...	...
...	16.391	+54.097	0.75	46.7595	10.2	...	11.193	-57.129	-5	...	...	...	6.438	+32.937	-4	...	...
...	16.246	+28.968	-2	...	...	...	11.151	+55.545	-2	...	...	...	6.430	+17.764	-5	M m	...
...	16.144	+31.473	-3	...	...	N	11.145	-59.547	-1	...	...	...	6.382	-48.286	-4	...	...
501	-15.907	-39.300	-2	...	...	561	-11.144	-59.660	-2	...	...	...	6.353	-50.591	-3	...	...
*	15.841	-41.641	1.30	47.7291	8.9	...	10.975	+27.208	-1	...	...	...	6.322	+34.133	-5	M m	...
...	15.740	+28.189	-5	M	...	...	10.938	+0.157	-4	M	...	*	6.282	+16.223	1.70	46.7604	8.8
...	15.657	-57.451	-4	...	...	...	10.879	+23.198	-4	M	...	...	6.217	+48.209	-5	M m	...
...	15.606	-34.964	-4	...	...	...	10.877	+6.009	-3	...	...	...	6.174	+28.401	-5	M m	...
...	-15.601	-49.701	-5	...	...	...	-10.779	+42.067	-4	M	...	...	-6.117	-47.558	-5	m	...
...	15.595	-13.423	-2	47.7292	10.2	...	10.657	-52.037	-4	...	...	...	5.936	+36.450	0.65	46.7605	10.1
...	15.526	+56.492	-4	A	...	...	10.268	+9.374	-3	A	...	...	5.899	-31.236	-4	...	...
...	15.487	+59.721	-2	45.7547	10.2	†	10.206	-32.285	1.25	47.7300	9.2	...	5.687	+46.522	-5	M m	...
...	15.455	+18.605	-5	M	...	...	10.120	-41.203	-5	...	...	†	5.291	-18.378	-5	M m	...

560, 561. 48°.94, two stars; 49°.78, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.				
631-690																					
631	- 5°152	+19°660	0.65	.	...	...	691	+	0°242	- 51°473	- 5	°m	...	751	+	5°647	+44°844	- 5	M m
...	4°860	-47°685	- 4	...	...	...	...	0°329	+27°737	0°75	46.7616	10°0	...	...	+	5°662	+16°594	- 4	M
...	4°726	-57°703	- 5	m	...	...	...	0°355	+28°023	- 4	m	...	...	...	+	5°859	+26°987	- 4	m
...	4°715	-53°941	- 5	M m	...	...	...	0°373	+12°549	- 5	M m	...	...	...	+	6°354	+18°734	- 5	M m
...	4°616	-34°639	- 3	...	...	...	...	0°409	+12°327	- 5	M m	...	...	...	+	6°480	-13°458	- 5	M m
...	- 4°584	+52°334	0°70	...	...	...	...	0°439	-13°220	- 5	m	...	...	...	+	6°665	+0°595	- 5	M m
...	4°497	-33°782	0°75	47.7305	10°2	...	...	0°454	+2°812	- 4	...	...	...	...	+	6°717	+27°889	- 5	M m
...	4°462	+32°104	- 5	M m	...	...	...	0°470	-33°141	- 3	...	...	...	...	+	7°182	-42°826	- 1	...
...	4°324	-19°542	- 3	...	...	...	...	0°804	+5°114	- 4	M m	...	...	...	+	7°234	-5°117	- 2	...
...	4°278	+2°301	- 5	M m	...	...	...	0°876	+0°478	- 5	M m	...	...	...	+	7°263	+28°014	- 3	...
641	- 4°122	-49°117	- 5	m	...	*	701	+	0°993	+12°043	1°00	46.7617	9°8	...	761	+	7°285	+54°041	- 4	M b	
...	3°996	+45°869	- 5	M m	...	...	...	1°080	+1°097	- 4	...	...	...	...	+	7°409	-2°309	- 5	M
...	3°972	-3°909	- 5	M m	...	...	...	1°057	+46°439	- 2	...	...	...	...	+	7°421	+38°886	- 5	M m
...	3°948	+47°113	- 2	...	...	*	...	1°182	+4°613	1°00	46.7618	9°6	...	...	+	7°529	-31°949	- 1	47.7315 10°2
*	3°916	+31°149	1°10	46.7606	9°4	...	...	1°205	-39°710	- 5	m	...	...	...	+	7°638	-4°783	0°70	46.7628 10°2
...	3°895	+48°198	- 5	M m	...	...	...	1°266	-33°856	- 5	m	...	...	...	+	7°804	+31°313	- 3	...
...	3°819	+12°162	- 4	M m	...	...	...	1°382	+33°567	0°65	46.7619	10°2	...	...	+	7°861	+50°111	- 4	m
*	3°797	+26°637	1°60	46.7607	8°6	†	...	1°497	-44°880	- 5	...	...	...	...	+	7°917	+23°437	- 4	M m
...	3°787	-55°365	- 3	...	...	...	...	1°558	-59°598	- 4	...	...	...	...	+	7°950	-5°015	- 4	...
...	3°768	+55°909	- 4	B m	...	*	...	1°799	-49°629	0°95	47.7310	9°6	...	...	+	8°041	-53°779	- 4	...
651	- 3°639	+54°276	- 5	M m	711	+	1°946	+56°231	- 5	M m	771	+	8°158	+19°727	- 4	m	
...	3°346	+54°210	- 5	M m	...	...	...	2°131	+0°471	- 5	M m	...	...	...	+	8°214	-1°976	- 1	...
...	3°308	+28°628	- 4	M m	...	...	...	2°510	+20°065	- 5	M m	...	...	...	+	8°303	-3°053	- 4	M a
...	3°261	+41°389	- 4	M m	...	...	...	2°686	-44°668	- 5	m	...	...	...	+	8°743	+41°513	- 4	...
...	3°242	-54°900	- 3	...	...	...	...	2°733	+52°595	- 5	M m	...	...	...	+	8°808	-21°872	- 5	...
...	3°097	-50°021	0°75	...	...	...	...	2°820	-28°358	- 5	m	...	...	...	+	8°930	-25°420	- 5	M m
...	2°960	+7°824	- 5	M m	...	...	...	2°840	-47°131	- 5	m	...	*	9°009	+52°409	1°00	46.7629 9°5		
...	2°833	+53°877	0°80	46.7608	10°2	...	...	2°868	-44°684	- 5	m	...	...	...	+	9°122	-26°956	- 5	m
...	2°780	+22°987	0°65	...	...	...	...	2°994	+28°751	- 3	...	...	...	...	+	9°212	+5°978	- 4	m
...	2°635	+19°311	- 5	M m	...	*	...	2°997	-36°771	0°80	47.7311	9°9	...	...	+	9°262	-25°401	- 5	m
661	- 2°624	+45°622	- 4	M m	721	+	3°170	+21°136	- 1	46.7620	10°2	...	781	+	9°383	+31°375	- 4	m	
...	1°934	- 0°978	- 4	A m	...	...	...	3°248	+10°520	- 5	M m	...	*	9°394	+17°773	0°90	46.7630 9°8		
*	1°853	-37°410	1°00	47.7306	9°5	...	...	3°506	+17°737	0°74	46.7621	10°1	...	...	+	9°408	-6°957	0°85	47.7319 9°9
...	1°850	+54°309	0°90	46.7609	10°0	...	...	3°552	-9°801	- 3	...	...	*	9°470	+9°291	0°90	46.7631 9°8		
...	1°622	+1°595	- 3	m	...	...	...	3°920	+53°549	- 5	M m	...	...	...	+	9°528	-45°734	- 5	m
...	1°583	+30°439	- 5	M m	...	...	...	3°922	+55°322	- 5	M m	...	...	...	+	9°584	-25°941	- 5	m
...	1°522	+12°661	0°80	46.7610	10°2	...	...	3°943	-44°194	- 5	m	...	...	...	+	9°648	-8°110	0°65	47.7320 10°2
...	1°370	- 0°191	- 5	M m	...	...	...	4°004	-23°498	- 2	...	...	...	...	+	9°796	+3°381	- 4	m
*	1°312	-50°496	1°10	47.7307	9°5	...	...	4°084	-11°429	0°80	47.7312	9°8	...	...	+	10°017	+48°168	- 3	...
...	1°249	+27°249	- 1	...	...	...	...	4°095	+17°630	- 4	M m	...	...	...	+	10°040	+21°370	- 5	m
671	- 1°193	+47°913	0°90	46.7611	9°8	...	731	+	4°174	+5°706	- 3	791	+	10°122	-7°316	- 3	...	
...	1°106	+21°607	- 5	M m	...	...	...	4°258	+29°075	- 2	...	...	...	...	+	10°122	-39°625	- 4	...
...	1°046	-30°815	- 2	...	...	...	...	4°532	+34°363	0°75	46.7622	9°9	...	...	+	10°162	-35°438	- 5	m
S *	1°025	-57°789	2°10	47.7308	7°8	...	...	4°587	+21°491	- 5	M m	...	...	...	+	10°357	-17°520	0°65	47.7321 9°9
...	0°971	+28°962	- 4	M m	...	*	...	4°622	+52°528	1°25	46.7623	9°0	...	...	+	10°377	+40°067	- 4	m
...	0°931	+59°422	- 4	B m	...	+	...	4°763	+12°799	0°90	46.7625	9°6	...	...	+	10°445	-59°242	- 4	...
...	0°927	-57°492	- 1	...	...	+	...	4°790	+37°935	0°80	46.7624	9°8	...	...	+	10°511	-11°386	- 4	...
...	0°857	-14°818	- 4	m	...	...	...	4°790	-9°231	- 5	m	...	...	...	+	10°657	-30°494	- 3	...
...	0°636	-26°829	- 5	M m	...	†	...	4°808	+24°598	- 5	M m	...	...	...	+	10°754	+53°135	- 5	m
...	0°630	+7°260	0°80	46.7612	10°1	...	...	4°870	-30°276	- 5	M m	...	...	...	+	10°848	-51°698	- 5	...
681	*	- 0°560	+36°332	1°80	46.7613	8°5	...	741	+	4°944	- 0°071	- 5	M m	801	+	10°869	-12°163	0°80	47.7322 9°8
...	0°541	- 8°861	- 2	...	...	...	...	4°953	-29°609	- 5	m	...	...	...	+	10°898	+39°170	- 4	a
...	0°401	+ 7°698	- 3	...	...	...	...	4°980	+38°355	- 4	M m	...	...	...	+	11°016	-38°537	- 5	m
...	0°358	- 0°254	- 5	M m	...	...	...	5°005	+17°124	1°90	46.7626	8°4	...	...	+	11°027	+36°135	- 5	m
...	0°309	+45°958	0°75	46.7614	10°2	...	...	5°100	+49°777	- 3	M a	...	*	11°137	-29°000	0°85	47.7323 9°6		
...	- 0°099	-11°046	- 5	m	...	...	...	5°163	-33°664	- 4	m	...	...	...	+	11°153	-35°473	- 5	m
...	+ 0°150	+44°055	- 4	...	...	...	...	5°265	-31°720	- 4	...	...	...	...	+	11°192	-29°523	- 5	m
...	0°158	+52°981	- 5	M m	...	*	...	5°540	-49°146	0°90	47.7313	9°8	*	11°213	+34°461	1°25	46.7632 9°0				
...	0°165	+46°183	- 1	46.7615	10°2	*	...	5°566	+38°526	1°00	46.7627	9°6	...	...	+	11°310	+54°289	- 5	m
...	0°189	+44°336	- 5	M m	...	...	...	5°642	-52°100	- 4	...	...	...	...	+	11°436	+37°201	- 4	a

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
811-870																		
811	+11.499	+40.327	-4	o	a	...	871	+16.625	+14.448	-4	m	...	931	+21.514	-29.069	-5	o	m
*	11.861	+31.546	o.90	46.7633	9.6	...	...	16.785	-21.128	o.70	47.7331	10.2	...	21.617	+24.422	-4	m	...
*	11.888	+56.597	o.85	45.7578	9.8	*	...	16.858	+5.751	o.90	46.7638	9.6	...	21.730	-20.842	-5	m	...
*	12.015	-37.525	1.60	47.7324	8.6	...	...	17.102	+12.422	-4	m	...	S*	21.850	+49.759	1.40	46.7644	8.8
...	12.167	-24.062	-5	m	...	...	...	17.133	-34.506	-5	m	...	...	21.857	+50.318	-5	m	...
...	+12.216	+7.141	-5	m	...	...	...	+17.139	-14.070	-5	m	...	...	+21.867	+0.381	-3	a	...
...	12.317	+25.776	-5	m	...	*	...	17.199	+1.801	1.20	46.7639	9.0	...	22.008	-33.291	-5	m	...
...	12.330	-48.037	o.75	47.7325	10.1	...	...	17.256	+35.742	-1	...	...	...	22.193	+0.600	-5	m	...
...	12.437	-51.906	-4	a	...	...	...	17.264	-35.214	-1	...	...	...	22.306	+21.131	-5	m	...
...	12.649	-44.548	-5	m	...	...	...	17.450	-19.266	-3	...	...	...	22.337	+49.001	-4	m	...
821	+12.659	+28.192	o.65	...	...	...	881	+17.455	+38.756	-5	m	...	941	+22.343	-53.653	-4	a	...
...	12.673	-12.686	-5	...	...	...	...	17.473	-50.055	-3	a	...	...	22.453	+10.245	-2	46.7645	10.2
...	12.700	-5.339	-5	...	...	...	...	17.494	+15.469	o.70	...	...	...	22.516	+22.721	-5	m	...
...	12.765	-50.260	-5	m	...	...	...	17.607	-14.581	-4	m	...	...	22.627	-43.484	-4	...	...
...	12.770	-38.343	-5	m	...	...	...	17.796	-9.372	-5	m	...	...	22.688	-38.570	-5	m	...
...	+12.787	+2.133	o.65	46.7634	10.1	...	...	+17.955	-23.500	-5	m	...	...	+22.904	-15.739	-4	...	...
...	12.832	-12.978	-5	m	...	...	...	18.025	-56.872	-5	m	...	...	22.946	-10.243	-3	...	...
...	13.077	-38.077	-5	m	...	...	...	18.178	+23.812	-4	m	...	...	22.966	+39.464	-5	m	...
...	13.162	-27.575	-4	...	...	...	...	18.295	-26.836	-5	m	...	...	22.972	+49.037	-5	m	...
...	13.166	+57.025	-4	a	...	...	...	18.311	-51.775	-5	m	...	...	23.016	+56.653	-5	m	...
831	*+13.197	-51.081	o.75	47.7326	10.0	*	891	+18.364	-52.482	o.90	47.7332	9.6	...	+23.017	+13.906	-5	m	...
...	13.214	+24.468	-5	m	...	*	...	18.366	+36.119	o.90	46.7640	9.6	...	23.042	-27.705	-5	m	...
...	13.217	-5.100	-4	...	...	...	...	18.378	+7.226	-2	...	...	...	23.053	-27.862	-5	m	...
...	13.240	+41.546	-5	m	...	...	...	18.662	+25.664	-2	...	...	...	23.214	-48.768	-3	...	...
...	13.297	-54.969	-1	...	...	*	...	18.717	-58.246	1.00	47.7333	9.6	*	23.386	-1.932	o.90	46.7646	9.8
...	+13.475	-33.131	-5	m	...	...	...	+18.750	+47.493	-3	...	...	...	+23.401	+13.908	-4	...	...
...	13.476	+53.669	-4	...	...	†	...	18.776	-24.987	-5	m	...	...	23.418	+23.857	-3	...	...
...	13.476	-40.200	-1	47.7327	10.1	...	...	18.821	-39.969	o.75	...	...	...	23.601	+13.338	-4	m	...
+	13.817	+54.881	o.80	46.7635	9.6	...	...	19.058	-50.875	-4	a	...	...	23.641	+46.963	-5	m	...
...	13.951	-42.161	-5	...	...	...	...	19.070	-13.093	-5	m	...	...	23.687	-1.268	-4	...	...
841	+14.136	+14.857	-5	m	...	...	901	+19.103	-32.770	-5	m	...	961	+23.759	-7.811	-5	m	...
...	14.153	+33.009	-4	...	...	...	...	19.121	-24.647	-5	m	...	...	23.876	+24.806	-5	m	...
...	14.309	+44.960	-3	...	...	...	...	19.361	-20.658	-5	m	...	...	23.917	+15.436	-4	...	...
...	14.384	-17.042	-5	m	...	*	...	19.635	+39.406	1.00	46.7641	9.5	*	24.026	-35.004	o.85	47.7336	9.8
*	14.401	+11.771	1.70	46.7636	8.9	+	...	19.678	+35.676	1.00	46.7642	9.4	...	24.179	+59.531	-5	m	...
*	+14.436	-20.214	1.15	47.7328	9.5	...	...	+19.744	-25.281	-4	m	...	...	+24.309	+31.203	o.65	46.7647	9.9
...	14.493	+8.710	-5	m	...	...	...	19.745	-41.746	-4	...	...	...	24.312	-7.625	-5	m	...
...	14.534	+35.892	-5	m	...	*	...	19.844	-59.310	o.95	47.7334	9.6	...	24.350	-30.453	-1	47.7337	10.2
...	14.581	-25.073	-5	m	...	...	...	20.074	-2.765	-4	...	...	...	24.448	+36.908	-2	...	...
...	14.590	+35.658	-4	a	...	...	...	20.121	+6.117	-3	...	...	...	24.464	+14.137	-2	...	...
851	+14.593	-3.532	-4	...	...	...	911	+20.133	-27.228	-3	...	...	971	+24.529	+0.482	-5	m	...
...	14.767	-8.713	-4	...	...	...	...	20.135	-27.494	-5	m	...	...	24.559	-12.263	-2	47.7338	10.2
...	14.896	+56.968	o.70	...	...	...	...	20.304	-5.789	-5	m	...	...	24.594	+28.673	-4	m	...
...	15.109	-9.009	-5	...	...	...	...	20.470	+30.956	-2	...	...	...	24.710	+40.993	o.80	46.7648	10.1
...	15.285	-12.239	-3	...	...	†	...	20.500	+14.951	-5	m	...	...	24.797	-34.369	-3	...	...
...	+15.380	+29.860	-5	m	...	...	...	+20.507	+2.182	-5	m	...	...	+24.863	-10.405	-5	m	...
...	15.410	+35.760	-4	a	...	...	...	20.710	+29.902	-5	m	...	...	24.993	-51.721	-2	...	...
...	15.516	-20.899	-4	...	...	...	...	20.722	-12.947	-5	m	...	...	25.278	+54.876	o.90	46.7649	9.8
...	15.627	-49.739	-4	b	...	...	...	20.837	+11.839	5	m	...	...	25.285	+4.679	-4	m	...
...	15.824	-15.127	-4	a	...	...	...	20.885	-45.938	-4	a	...	N*	25.377	-40.350	1.40	...	...
861	+15.982	-26.917	-4	...	...	...	921	+20.983	-40.061	-3	...	...	981	+25.382	-40.275	o.80	47.7339	8.6
...	16.032	-46.500	-4	a	...	...	...	21.038	-9.741	-2	...	...	N	25.437	+46.176	-3	a	...
*	16.074	-53.508	o.90	47.7329	9.8	...	...	21.094	-45.764	-5	m	...	...	25.441	-2.725	-4	...	...
...	16.148	+17.669	o.70	46.7637	10.2	...	...	21.128	-20.988	-4	...	...	...	25.480	+34.955	o.75	46.7650	10.2
...	16.311	+48.445	-4	m	...	...	...	21.154	-8.356	-5	...	...	...	25.518	-47.189	-3	...	...
...	+16.457	+39.831	-3	...	...	...	...	+21.215	-28.964	-4	...	...	S*	+25.525	-4.751	1.80	46.7651	8.6
...	16.508	-6.803	o.90	47.7330	9.6	...	...	21.225	-4.498	-5	m	...	...	25.543	+13.883	-5	m	...
...	16.518	-24.710	-5	m	...	...	...	21.297	-42.288	-5	m	...	...	25.552	+9.924	-3	...	...
...	16.537	+26.172	-5	m	...	*	...	21.324	-19.837	o.90	47.7335	9.6	...	25.596	+4.649	-5	m	...
...	16.563	-28.566	-3	...	...	*	...	21.463	+20.737	1.10	46.7643	9.4	...	25.666	+20.155	o.70	46.7652	10.2

980, 981. 48°.95, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.				
991-1050																					
991	+25°694	+36°870	-	I	o	...	...	+31°088	-37°634	-	5	m	...	...	+35°870	+36°728	-	5	o	...
...	25°706	-18°256	-	4	...	...	...	31°263	-45°895	-	5	m	...	†	35°887	+44°817	-	5	m	...
...	26°024	-33°134	-	3	...	...	...	31°286	-51°047	-	5	m	...	*	35°913	-31°285	0°85	47.7355	10°0	...
...	26°147	+10°752	-	5	m	...	...	31°416	-11°603	-	3	...	...	*	36°120	+19°553	1°30	46.7664	8.8	...
...	26°180	+18°980	-	3	a	...	...	31°446	+8°929	-	3	...	...	...	36°199	+31°048	-	2	...	...
...	+26°198	-43°764	-	3	a	...	...	+31°581	-13°523	0°65	47.7350	10°0	...	†	+36°274	-24°902	-	3	...	...
...	26°207	+28°164	-	I	...	...	...	31°616	-33°700	-	2	...	...	...	36°320	+53°287	-	5	m	...
...	26°297	+47°860	-	2	...	...	...	31°705	-27°098	-	5	m	...	...	36°452	+25°215	-	5	m	...
...	26°391	+51°942	-	4	a	...	...	31°780	+29°185	-	5	m	...	...	36°467	+6°891	-	4	m	...
...	26°614	+51°092	-	3	...	...	...	31°793	+5°719	-	2	...	...	...	36°643	+1°406	-	2	...	...
1001	+26°621	-35°645	0°75	47.7341	10°1	...	...	+31°825	-25°052	-	5	m	...	...	+36°687	+24°395	-	I	...	...
N n	26°953	-45°299	0°80	47.7342	9°6	...	...	31°884	-39°411	-	5	m	...	...	36°888	+6°502	-	5	m	...
N n	26°955	+41°452	-	4	m	...	...	31°898	-8°814	-	5	m	...	...	36°912	+6°798	0°65	46.7665	10°0	...
...	26°978	-45°370	0°75	47.7342	9°6	...	...	31°942	-8°705	-	3	...	...	*	36°928	-56°245	1°30	47.7356	9°0	...
...	27°035	-30°263	-	3	...	...	...	32°094	-58°391	-	3	...	...	...	37°039	+21°050	-	5	m	...
...	+27°166	+2°977	-	5	m	...	...	+32°176	-57°608	-	5	m	...	*	+37°766	+15°789	1°20	46.7667	9°0	...
...	27°255	-38°892	-	3	...	...	...	32°195	+52°608	0°70	46.7658	10°2	...	...	38°025	+1°683	-	4	m	...
...	27°308	-28°001	-	5	m	...	*	32°663	-4°222	0°75	46.7659	9°9	*	...	38°045	+46°202	1°10	46.7666	9°4	...	
...	27°352	+35°987	-	5	m	...	...	32°691	+15°899	-	5	m	...	...	38°063	-35°661	-	4	a	...
...	27°375	+13°307	-	5	m	...	...	32°952	+14°361	-	3	...	...	...	38°243	-37°351	-	3	...	...
1011	*	+27°378	-58°807	1°00	47.7343	9°6	...	+33°013	-41°723	-	5	m	...	...	+38°257	-6°495	-	2	...	...
...	27°500	-46°992	-	2	...	...	...	33°059	-31°211	-	5	m	...	...	38°260	+16°833	-	2	...	...
...	27°620	-17°498	-	4	m	...	...	33°232	+33°269	-	5	m	...	...	38°528	+58°492	-	4	...	...
...	27°635	+47°017	0°80	46.7653	10°2	...	...	33°270	+5°725	-	4	...	...	...	38°571	+2°986	-	5	m	...
...	27°659	+57°652	-	4	b	...	*	33°380	+46°322	0°80	46.7660	9°6	...	...	38°690	+4°242	-	3	...	...
...	+27°662	+36°663	0°65	...	...	...	...	+33°462	-37°030	-	4	...	...	...	+38°697	+27°365	-	I	...	...
...	27°715	+36°821	-	5	m	...	...	33°536	-56°245	-	4	...	...	...	38°702	-11°791	-	2	...	...
...	27°747	-3°776	-	2	...	...	...	33°580	+14°146	-	5	m	...	...	38°782	-48°848	-	5	m	...
...	27°779	-49°191	0°80	47.7345	9°9	...	...	33°848	+55°423	-	2	...	...	*	38°807	+58°784	1°00	45.7604	9°5	...
...	27°993	-23°709	1°30	47.7344	8°8	...	...	33°858	+38°504	-	I	...	...	...	38°915	-0°747	-	2	...	...
1021	...	+28°082	+50°597	-	5	m	+33°928	+13°921	0°65	46.7661	10°1	+39°239	-41°346	-	5	m	...
...	28°241	-28°014	-	3	...	...	...	33°963	-33°410	-	4	a	...	...	39°265	-5°389	-	5	m	...
...	28°245	-57°528	-	2	...	...	...	34°048	+8°309	0°70	46.7662	10°0	...	...	39°284	-24°314	-	3	...	...
*	28°493	-4°372	0°90	46.7654	9°6	...	...	34°070	-22°097	-	5	m	...	...	39°368	-41°148	-	5	m	...
...	28°639	-32°416	-	5	m	...	...	34°099	+58°056	-	4	a	...	...	39°437	+21°587	-	I	...	...
...	+28°751	-2°355	-	3	...	...	...	+34°113	+5°878	-	5	m	...	...	+39°604	+54°909	-	3	a	...
...	28°759	+3°115	0°65	46.7655	10°1	...	...	34°282	-51°136	-	5	m	...	...	39°809	-4°971	-	5	m	...
*	28°941	+3°971	1°00	46.7656	9°4	*	...	34°344	-21°329	1°60	47.7351	8°7	...	...	39°809	-14°534	-	4	...	...
...	28°990	-33°297	-	I	...	...	...	34°370	-5°735	-	4	...	...	...	39°821	-45°372	-	5	m	...
...	29°026	-39°976	-	4	a	...	...	34°390	+6°907	-	4	m	...	...	39°822	+11°184	-	5	m	...
1031	...	+29°144	+14°136	-	3	a	+34°392	+7°771	-	5	m	+39°860	-21°772	-	5	m	...
...	29°188	-23°105	0°75	47.7347	10°0	...	...	34°409	-8°742	-	5	...	...	...	39°862	-17°472	-	4	...	...
...	29°220	-14°590	-	4	...	...	...	34°416	+17°618	-	5	m	...	...	39°984	-5°959	-	5	m	...
...	29°458	-57°166	0°90	47.7349	10°0	...	...	34°420	+5°815	-	5	m	...	...	40°007	+49°170	-	3	...	...
...	29°470	-2°111	-	4	...	...	...	34°464	+5°874	-	5	m	...	...	40°068	+20°264	-	5	m	...
S *	+29°525	-50°747	1°70	47.7348	8°6	...	...	+34°497	+8°598	-	4	...	...	...	+40°103	+10°269	-	5	m	...
...	29°576	+36°867	-	5	m	...	*	34°678	+37°997	-	5	m	...	...	40°178	+5°120	-	4	m	...
+	29°743	+52°883	1°40	46.7657	8°8	*	...	34°717	-52°437	0°95	47.7352	9°6	*	...	40°294	-27°265	0°80	47.7357	9°8	...	
...	29°819	+5°993	-	5	m	...	...	34°770	+16°794	-	2	...	...	*	40°345	+3°570	1°15	46.7668	9°2	...
...	29°934	-48°720	-	5	m	...	...	34°798	+16°849	-	4	...	...	...	40°348	+55°967	-	I	...	...
1041	...	+30°027	+19°468	-	3	...	...	+35°285	-1°540	-	5	m	...	...	+40°374	+3°372	-	4	...	...
...	30°039	+53°392	-	5	m	...	*	35°450	-53°039	0°95	47.7354	9°6	...	...	40°407	+42°708	-	3	...	...
...	30°068	+23°573	-	5	m	...	†	35°489	+19°928	-	4	m	...	...	40°755	-36°007	0°75	47.7358	10°0	...
...	30°528	-9°742	-	4	...	...	...	35°501	-29°987	-	4	a	...	...	40°855	+4°424	0°65	46.7670	9°9	...
...	30°540	+44°399	-	5	m	...	...	35°531	+36°275	-	5	m	...	...	40°871	-21°781	-	5	m	...
...	+30°557	+27°747	-	5	m	...	...	+35°624	-53°848	-	5	m	...	...	+41°030	-11°698	-	3	...	...
...	30°661	-19°085	-	5	...	...	*	35°675	-19°687	0°90	47.7353	9°6	...	...	41°034	+30°433	-	3	...	...
...	30°723	-45°784	-	2	...	...	...	35°702	+58°021	0°90	45.7595	10°1	...	...	41°126	-0°543	-	5	m	...
...	30°787	+15°436	-	5	m	...	*	35°797	+40°964	1°00	46.7663	9°2	...	...	41°193	-17°894	-	4	...	...
...	30°911	-4°181	-	5	m	...	...	35°856	+42°242	-	5	m	...	...	41°283	-0°181	-	5	m	...

1002, 1004. 48°·95, mass. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1171-1230																	
1171	+41°314	+48°978	0.85	46.7669	9.8	1231	+45°740	-25°630	-1	0	...	1291	* +50°873	+13°236	0.80	46.7689	9.6
...	41°507	-30°278	-5	e	...	...	45°771	-4°948	-5	e	...	...	50°940	-21°899	-2	...	...
...	41°527	+4°232	-3	...	...	...	45°927	+50°337	-3	...	...	...	50°947	-10°223	-3	e	...
...	41°539	-37°318	-3	...	...	...	46°027	+5°112	-1	46.7681	10.2	...	50°976	-34°017	0.65	47.7373	10.1
...	41°605	+4°246	-5	m	...	...	46°090	+24°753	-3	...	...	...	51°140	-23°938	-4	...	...
...	+41°662	+40°798	0.70	46.7671	10.0	...	+46°215	+35°016	-5	e	...	...	+51°336	-28°783	-4	e	...
...	41°803	+8°629	-3	46.7673	10.2	...	46°218	+28°910	-4	e	...	...	51°395	-28°734	-5	m	...
*	41°862	-52°679	1.20	47.7359	9.2	...	46°222	+45°633	0.80	47.7367	10.0	...	51°407	+33°040	-5	e	...
...	42°067	+52°430	-5	m	...	...	46°224	-53°573	-4	a	...	...	51°490	+19°694	-5	e	...
...	42°099	-32°426	-5	m	...	...	46°256	-1°767	-5	e	...	...	51°549	+35°994	0.75	46.7690	9.8
1181	+42°117	+42°102	0.70	46.7672	10.0	1241	+46°286	-32°796	-1	...	...	1301	+51°603	+11°792	-4	e	...
...	42°144	+23°355	-5	m	...	...	46°376	+41°562	-4	e	...	...	51°704	+17°907	-4	e	...
...	42°383	+11°758	-1	46.7674	10.2	...	46°479	-34°338	-5	e	...	...	51°791	+37°748	-5	e	...
...	42°430	-34°807	-4	...	...	...	46°590	-2°588	-4	e	...	...	51°920	+18°621	-5	e	...
...	42°489	-53°371	-4	...	...	...	46°684	+27°709	-5	e	...	...	52°044	-25°112	-5	m	...
...	+42°641	-24°674	-4	...	...	...	+46°841	-10°037	-2	...	...	...	+52°090	+2°263	-2	...	...
...	42°646	+56°922	-3	...	...	...	46°947	+45°568	-4	e	...	...	52°144	-18°593	-4	...	...
...	42°667	-51°704	-5	m	...	...	47°029	+18°717	-5	e	...	...	52°264	-28°885	-5	e	...
...	42°695	-39°277	-5	e	...	...	47°196	-59°003	-3	...	...	...	52°288	-41°629	-4	e	...
...	42°858	+8°173	-5	e	...	...	47°223	+29°415	0.85	46.7682	10.1	...	52°398	-7°637	1.00	47.7374	9.5
1191	+42°923	+4°922	-4	...	...	1251	+47°312	-34°199	-2	...	...	1311	+52°426	+28°248	-3	e	...
...	42°945	+15°924	-4	e	...	...	47°444	-38°504	-2	...	...	...	52°426	+6°703	-4	e	...
...	42°955	+15°959	-4	...	...	...	47°548	+42°463	-5	e	...	...	52°526	+2°786	-5	e	...
...	42°994	-21°109	-4	...	...	...	47°566	-28°231	-4	e	...	...	52°546	-39°786	0.75	47.7375	10.0
...	43°312	-47°327	-5	e	...	...	47°621	-41°667	1.10	47.7368	9.4	...	52°757	+30°526	-4	...	...
...	+43°366	+23°610	-3	...	...	...	+47°776	+0°276	-5	e	...	...	+52°870	+33°125	-3	...	...
...	43°439	-11°009	-5	e	...	...	47°779	+36°492	2.10	46.7683	8.0	...	52°958	+36°645	-3	e	...
...	43°439	-27°497	-5	e	...	...	47°804	-45°394	-5	e	...	...	52°961	-33°885	-3	...	...
...	43°486	-10°631	-4	...	S *	...	47°855	+10°526	1.80	46.7684	8.2	...	53°109	-17°962	-4	...	...
...	43°559	+2°736	-5	e	...	...	47°875	+3°798	-5	e	...	...	53°212	-29°844	-5	e	...
1201	+43°582	-21°606	-3	...	...	1261	+47°970	-3°334	-5	e	...	1321	+53°335	+16°405	0.65	...	...
*	43°610	-16°720	1.80	47.7360	8.4	...	47°971	-15°164	-1	...	...	...	53°396	+21°432	-4	e	...
...	43°817	-21°487	-4	...	...	...	48°143	+14°005	-3	e	...	...	53°419	+19°557	1.10	46.7692	9.0
...	43°829	+47°228	0.85	46.7675	9.8	*	48°194	-20°469	1.50	47.7369	9.0	...	53°443	+1°455	-4	e	...
...	43°872	-33°616	0.70	47.7361	10.0	*	48°220	+5°256	0.85	46.7685	9.8	...	53°465	-11°255	-3	...	...
Net†	+43°963	-44°883	-5	47.7363	8.9	...	+48°452	-25°804	-5	e	...	...	+53°526	+21°802	-5	e	...
*	44°004	-36°667	1.10	47.7362	9.2	...	48°532	+18°598	-4	e	...	...	53°605	+6°247	1.15	46.7693	9.0
*	44°138	+15°465	1.00	46.7676	9.5	...	48°683	+18°636	-5	e	...	...	53°624	+49°631	1.25	46.7691	9.4
...	44°302	+55°220	-5	m	...	...	48°740	-25°797	0.85	47.7370	9.9	...	53°740	+23°360	-5	e	...
*	44°412	-47°839	1.10	47.7365	9.4	...	48°861	-28°224	-4	e	...	...	53°903	+19°902	-3	e	...
1211	+44°425	+22°798	1.00	46.7677	9.6	*	+48°887	-28°600	1.00	47.7371	9.6	...	+53°915	+18°127	-3	...	...
...	44°429	-9°417	-5	e	...	...	48°928	-9°102	-4	e	...	...	53°991	+18°574	-5	e	...
...	44°482	-30°384	-5	m	...	...	49°073	+12°606	-4	e	...	...	54°027	-39°816	-3	...	...
...	44°522	+49°090	-4	e	...	...	49°195	-18°583	-2	...	...	...	54°044	+19°014	-5	e	...
...	44°721	-6°809	0.65	47.7364	10.2	...	49°266	+22°493	-4	e	...	...	54°131	+4°288	-5	e	...
...	+44°816	+36°327	-3	e	...	...	+49°549	-37°567	-3	...	...	...	+54°305	+7°737	-5	e	...
...	44°821	+54°758	-4	e	...	...	49°618	-10°851	-2	...	...	...	54°349	-14°048	-3	...	...
...	44°825	-20°896	-5	e	...	...	49°809	+32°889	2.00	46.7686	8.4	...	54°458	-43°526	-5	e	...
...	44°846	-26°266	-5	e	...	...	49°938	+32°677	-5	e	...	...	54°523	+8°582	-5	e	...
...	44°884	-55°809	0.80	47.7366	9.9	...	49°952	+9°462	-5	m	...	...	54°585	-43°607	-5	e	...
1221	+44°921	+9°998	-3	...	...	1281	+49°971	+3°199	-2	...	...	1341	+54°605	+24°326	-5	e	...
...	45°024	+5°342	-3	...	...	...	49°999	+6°731	-3	...	...	...	54°613	+25°281	-5	e	...
...	45°075	+24°043	-4	e	...	...	50°018	-35°930	-4	...	...	...	54°684	+20°058	1.60	46.7694	8.8
...	45°151	+6°583	0.65	46.7678	10.2	*	50°019	+6°206	0.80	46.7688	10.0	...	54°947	-36°710	-4	e	...
...	45°209	+16°327	-5	m	...	...	50°183	+40°676	1.80	46.7687	8.6	*	55°044	+10°477	1.00	46.7695	9.3
...	+45°369	+4°516	-5	e	...	...	+50°269	+55°996	0.65	45.7615	10.2	...	+55°054	+58°967	-5	e	...
*	45°539	+50°040	1.90	46.7679	8.8	...	50°506	+24°554	-5	e	...	...	55°142	+1°565	-3	e	...
...	45°560	+3°468	-2	...	...	...	50°701	+58°822	-3	...	...	...	55°153	-13°682	-5	e	...
...	45°693	-54°729	-5	e	...	...	50°842	+39°773	-4	...	...	...	55°418	-14°082	-5	e	...
...	45°696	+2°251	0.80	46.7680	10.0	...	50°843	-37°014	-3	...	...	...	55°435	+42°035	-2	e	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
1351-1370																		
1351	+55°581	+45°654	-4	°e	...	...	1371	+57°452	-14°818	-5	°e	...	1391	+59°583	+6°947	-2	°	...
...	55°593	-21°304	-3	e	...	...	...	57°686	-8°672	-5	e	...	...	...	...	...	...	...
...	55°679	-34°881	-1	47.7377	10°2	*	57°716	+25°563	1°10	46.7698	9°4	...	...	...	...	...	...	...
...	55°704	-19°526	-4	m	...	...	...	57°791	+46°134	-5	e	...	...	...	...	...	...	...
...	55°853	+28°319	-4	e	...	...	...	57°795	+31°254	-4	e	...	...	...	...	...	...	...
...	+55°960	-9°695	-1	...	...	...	...	+57°851	-46°894	-4	...	...	...	...	...	...	...	...
...	56°051	-26°167	-4	e	...	...	...	57°993	-8°951	-1	...	...	...	...	...	...	...	...
...	56°187	+7°537	-4	e	...	...	...	58°084	-10°232	-1	47.7379	10°2	...	...	...	...	...	...
...	56°299	+27°278	-2	...	...	*	...	58°315	-7°900	0°95	47.7380	9°6	...	...	...	...	...	...
*	56°338	+22°229	1°10	46.7696	9°3	...	...	58°344	-14°928	-2	...	...	...	...	...	...	...	...
1371-1390																		
1361	+56°393	+34°400	-1	...	...	*	1381	+58°486	+0°312	0°80	46.7700	10°1	...	...	...	...	...	...
...	56°805	-0°260	-2	e	...	*	...	58°555	+52°394	1°50	46.7699	9°2	...	...	...	...	...	...
...	56°839	-34°615	-2	...	...	...	...	58°764	+21°259	-4	e	...	...	...	...	...	...	...
...	56°915	+26°600	-5	e	...	...	...	58°792	-49°477	-1	47.7383	10°1	...	...	...	...	...	...
...	56°930	+12°717	-2	...	...	...	...	58°821	+29°239	-5	e	...	...	...	...	...	...	...
...	+57°001	-39°389	-5	e	...	*	...	+58°933	-13°400	0°90	47.7382	9°6	...	...	...	...	...	...
...	57°018	+34°971	-5	e	...	...	...	59°195	+22°188	-4	e	...	...	...	...	...	...	...
...	57°032	-4°731	-5	e	...	S *	...	59°211	-32°689	1°20	47.7384	9°0	...	...	...	...	...	...
*	57°262	-6°940	1°30	47.7378	8°8	...	...	59°327	-50°561	-5	e	...	...	...	...	...	...	...
*	57°272	+31°223	1°00	46.7697	9°4	...	...	59°394	+13°716	-5	e	...	...	...	...	...	...	...

1-30					31-60					61-90								
I	-59°897	+15°656	-4	°E	...	...	31	-57°606	-9°611	-4	°E	...	61	* -55°705	+36°368	2°00	46°7683	8°0
...	59°881	+15°694	-3	...	...	...	...	57°526	-47°567	-5	E	...	...	55°677	-55°986	-1	47.7366	9°9
...	59°867	-30°565	-4	E	...	...	...	57°463	+5°145	-2	...	...	...	55°663	-2°725	-4	E	...
...	59°754	+7°908	-5	E	...	...	...	57°398	-33°826	0°85	47.7361	10°0	...	55°213	-7°885	-5	M	...
...	59°731	+23°360	-2	...	...	...	...	57°388	-7°004	0°65	47.7364	10°2	...	55°180	-10°157	-3	...	...
...	-59°604	-37°604	-4	...	...	...	...	-57°380	+6°396	0°70	46.7678	10°2	...	-55°078	+32°344	-5	M	...
...	59°577	-4°674	-1	...	...	...	...	57°283	+41°396	-4	E	...	...	55°006	-32°936	-3	...	...
...	59°398	+48°863	-5	E	...	...	...	57°230	+34°845	-4	E	...	...	54°888	-54°883	-5	E	...
...	59°258	+54°552	-5	E	...	*	...	57°160	-36°862	1°10	47.7362	9°2	...	54°817	+46°919	-5	M	...
...	58°908	-24°926	-4	...	...	...	...	57°110	+4°348	-5	E	...	S *	54°806	+10°420	1°70	46.7684	8°2
II	-58°875	+2°504	-5	E	...	...	41	-57°103	+35°630	-5	M	...	71	-54°762	-34°473	-5	E	...
...	58°793	-35°055	-4	...	...	...	...	57°046	+28°746	-4	E	...	...	54°659	-45°766	0°80	47.7367	10°0
*	58°786	-52°951	1°30	47.7359	9°2	...	...	57°040	+24°585	-2	...	...	...	54°645	+13°910	-3	E	...
*	58°686	+15°235	0°95	46.7676	9°5	NE*	...	56°940	-45°075	1°40	47.7363	8°9	...	54°591	+3°706	-5	E	...
...	58°679	+36°112	-4	E	...	...	...	56°882	+3°304	-1	...	...	...	54°574	+0°183	-5	E	...
...	-58°674	-21°351	-3	...	...	...	...	-56°850	-21°076	-5	E	...	...	-54°411	+18°501	-4	E	...
*	58°640	+22°575	1°00	46.7677	9°6	...	...	56°843	+45°419	-4	E	...	...	54°395	-53°704	-5	M	...
...	58°544	-11°229	-5	E	...	*	...	56°699	+2°086	0°85	46.7680	10°0	*	54°280	+5°181	0°80	46.7685	9°8
...	58°514	-10°858	-3	...	...	...	...	56°639	-26°449	-5	E	...	...	54°264	-3°424	-5	E	...
...	58°395	-39°517	-5	E	...	...	...	56°562	+6°729	-5	M	...	...	54°260	+18°546	-5	E	...
II	-58°379	+49°845	1°80	46.7679	8°8	...	51	-56°524	+27°548	-5	E	...	81	-53°920	-34°305	-3	...	...
*	58°184	-16°952	1°80	47.7360	8°4	...	...	56°455	+4°969	0°65	46.7681	10°2	...	53°887	-15°255	-3	...	...
...	58°148	-53°629	-4	...	...	*	...	56°403	-48°035	1°00	47.7365	9°4	...	53°876	-28°328	-5	E	...
...	58°073	-21°827	-1	...	...	...	...	56°390	-5°109	-4	E	...	...	53°854	+55°944	1°00	45.7615	10°2
...	58°045	-2°709	-4	M	...	...	...	56°225	-5°224	-5	M	...	...	53°798	+22°423	-4	E	...
...	-58°044	-27°735	-4	E	...	...	...	-56°136	+42°343	-5	E	...	...	-53°669	+12°541	-4	E	...
...	58°015	+23°837	-4	E	...	...	...	56°044	+29°273	0°80	46.7682	10°1	...	53°663	-38°600	-2	...	...
...	58°007	+50°149	-4	...	...	...	...	56°014	-1°913	-5	E	...	*	53°561	+32°833	2°00	46.7686	8°4
...	57°832	-21°702	-3	...	...	...	...	55°909	+18°578	-5	E	...	*	53°511	+58°776	-1	...	...
...	57°718	+9°807	-2	...	...	...	...	55°765	-25°783	-1	...	...	*	53°466	-20°538	1°40	47.7369	9°0

MC measured from 1, 136, 279, 413, 510, 617, 716, 797, 855, 919, 986, 1033.
ES , , , 67, 206, 343, 464, 560, 669, 763, 829, 884, 950, 1011, 1055.

44. Var.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
91-150																	
91*	-53.435	+40.622	1.70	46.7687	8.6	151	-48.961	+18.668	-4	E	...	211	-44.398	-34.411	-2	...	...
...	53.414	+32.016	-4	E	...	...	48.941	+1.541	-3	E	...	...	44.366	-8.449	-5	E	...
*	53.381	-41.763	1.20	47.7368	9.4	*	48.936	+6.329	1.20	46.7693	9.0	...	44.266	+21.492	-4	E	...
...	53.269	-59.105	-3	...	...	...	48.912	+19.111	-3	E	...	...	44.098	-39.177	-5	E	...
...	53.150	+52.813	-5	M	...	†	48.773	+39.936	-5	M	...	...	44.067	-8.715	-2	...	...
...	-53.113	-9.164	-5	E	...	...	-48.748	-41.572	-3	E	...	...	-43.950	+36.976	-5	M	...
...	53.098	-45.479	-5	E	...	...	48.669	-17.875	-2	...	...	...	43.937	-10.002	0.65	47.7379	10.2
...	53.051	-25.861	-5	E	...	...	48.559	+25.388	-4	E	...	...	43.869	+0.557	0.70	46.7700	10.1
...	52.773	-25.854	0.80	47.7370	9.9	...	48.531	-39.708	0.80	47.7375	10.0	...	43.866	+22.436	-5	E	...
...	52.772	+39.739	-3	...	...	...	48.525	+24.436	-4	E	...	...	43.821	-23.273	-5	M	...
101	161		221		211-270		231		211-270		221		211-270		211-270		
	-52.617	+24.622	-5	E	...	...	-48.518	-11.173	-2	...	...	*	-43.776	-7.656	0.95	47.7380	9.6
	52.575	-28.270	-4	E	...	...	48.505	+31.582	-5	M	...	...	43.702	+26.175	-5	M	...
	52.555	-18.625	-3	...	...	...	48.354	+4.393	-5	E	...	...	43.655	+46.175	0.75	...	...
	52.546	+6.702	-2	...	...	...	48.310	-33.798	-1	...	...	...	43.522	-14.686	-2	...	...
	52.523	-28.648	0.95	47.7371	9.6	...	48.294	+7.853	-4	E	...	...	43.414	+15.714	-5	M	...
	-52.496	+6.180	0.80	46.7688	10.0	*	-48.285	+20.160	1.40	46.7694	8.8	*	-43.393	+51.775	1.05	46.7701	9.6
	52.467	+3.164	-2	...	...	...	48.243	+42.160	-2	E	...	...	43.389	+13.981	-5	E	...
	52.451	+54.220	-5	M	...	...	48.210	+45.785	-4	E	...	...	43.301	+38.929	-4	B	...
	52.372	-10.886	0.65	...	...	...	48.170	-29.749	-5	E	...	...	43.278	+14.307	-5	M	...
	52.023	+31.330	-5	M	...	...	48.104	+8.693	-3	E	...	...	43.200	+38.882	-4	B	...
	171		231		211-270		231		211-270		231		211-270		211-270		
	-51.975	+33.029	-4	E	...	...	-47.835	+42.011	-4	B	...	...	-43.144	+32.016	-1	...	...
	51.937	+35.996	0.85	46.7690	9.8	*	47.630	+10.606	1.00	46.7695	9.3	...	43.128	-22.465	-5	M	...
	51.876	+13.225	1.00	46.7689	9.6	...	47.542	-13.923	-3	...	...	...	43.082	+45.797	-1	...	...
	51.749	+37.765	-5	E	...	...	47.388	+28.454	-3	E	...	...	43.000	-46.645	-3	...	...
	51.583	-37.594	-2	...	...	...	47.291	+37.499	-5	M	...	...	42.982	+28.348	0.75	46.7702	10.1
	-51.468	+19.698	-5	E	...	...	-47.242	+1.701	-3	E	...	...	-42.978	+7.226	-2	...	...
	51.204	+17.915	-3	E	...	...	47.054	-39.691	-2	...	...	*	42.977	-13.130	0.95	47.7382	9.6
	51.169	-35.939	-3	...	...	...	47.044	+34.542	0.70	...	...	...	42.964	+17.991	-4	M	...
	51.110	+11.800	-4	E	...	†	46.915	-34.761	-5	M	...	...	42.810	+45.810	-5	M	...
	51.064	-10.216	-3	E	...	...	46.912	+27.441	-1	...	...	...	42.658	-59.732	0.80	47.7381	9.8
121	181		241		211-270		241		211-270		241		211-270		211-270		
	-51.059	-58.055	-5	M	...	...	-46.738	-13.542	-5	E	...	...	-42.622	+46.642	-4	M	...
	51.006	+18.633	-5	E	...	*	46.710	+22.387	1.20	46.7696	9.3	...	42.580	+52.506	-4	M	...
	50.853	+48.930	-5	M	...	...	46.504	-43.391	-3	E	...	...	42.558	+52.393	-5	M	...
	50.811	+28.268	-3	E	...	...	46.467	-13.937	-4	E	...	...	42.519	+26.863	-3	A	...
	50.693	-21.889	-2	...	...	...	46.448	+35.136	-4	E	...	...	42.321	+46.655	-4	M	...
	-50.562	+30.562	-3	...	...	...	-46.408	+7.704	-4	E	...	...	-42.314	-4.146	-4	M	...
	50.546	+36.698	-3	E	...	...	46.374	-43.468	-4	E	...	...	42.232	+16.080	-5	M	...
	50.531	+33.162	0.65	...	...	...	46.271	+26.782	-4	E	...	S *	42.084	-32.404	1.15	47.7384	9.0
	50.424	-23.923	-3	...	...	...	46.206	-36.575	-3	E	...	...	42.066	-58.493	-5	M	...
	50.318	+2.299	-1	...	...	...	46.072	-21.138	-3	E	...	...	42.065	+29.111	-5	M	...
131	191		251		211-270		251		211-270		251		211-270		211-270		
	-50.310	-36.998	-3	...	...	...	-46.065	-9.529	0.65	...	...	*	-41.989	-49.192	0.65	47.7383	10.1
	* 50.294	+49.677	1.20	46.7691	9.4	*	46.050	+31.408	1.00	46.7697	9.4	*	41.834	+29.088	0.85	46.7703	9.9
	50.271	-33.999	0.75	47.7373	10.1	...	46.023	+46.332	-4	E	...	...	41.747	+32.564	-5	M	...
	50.121	+6.751	-4	E	...	...	45.819	+12.903	-1	...	...	...	41.624	+59.645	-5	M	...
	50.090	-28.748	-5	E	...	...	45.758	-23.944	-5	M	...	...	41.503	-27.86c	0.75	47.7385	10.0
	-49.898	+2.834	-5	E	...	...	-45.538	-34.707	0.70	47.7377	10.2	...	-41.415	-50.284	-5	E	...
	49.861	+57.461	-5	M	...	...	45.529	+31.454	-4	E	...	...	41.374	-26.069	-5	M	...
	* 49.691	-7.583	1.00	47.7374	9.5	...	45.515	-0.072	-2	E	...	...	41.374	-31.575	-5	...	...
	49.645	+21.505	-3	E	...	*	45.466	+52.604	1.20	46.7699	9.2	*	41.272	-12.194	0.90	47.7387	9.8
	49.606	-18.539	-3	...	...	...	45.451	-25.979	-5	E	...	...	41.257	-5.409	-3	A	...
141	201		261		211-270		261		211-270		261		211-270		211-270		
	* 49.549	+19.629	1.20	46.7692	9.0	*	-45.445	+25.753	1.20	46.7698	9.4	...	-41.239	-28.104	0.85	47.7386	10.0
	49.545	+16.473	0.75	...	...	...	45.306	-33.854	-5	M	...	...	41.173	+32.982	0.70	...	...
	49.528	+21.874	-4	E	...	...	45.285	+28.236	-5	M	...	...	41.052	+9.242	-5	M	...
	49.359	+31.064	-5	M	...	...	45.150	-4.531	-4	E	...	*	40.999	+56.304	1.00	45.7642	10.0
	49.356	+23.440	-4	E	...	...	45.101	+2.057	-5	M	...	...	40.985	+45.621	-4	M	...
	-49.173	-28.825	-4	E	...	...	-44.966	-23.619	-5	M	...	...	-40.843	-1.305	1.00	46.7704	9.6
	49.163	+59.071	-4	E	...	*	44.841	-6.733	1.40	47.7378	8.8	...	40.790	-9.171	-4	...	...
	49.150	+37.32															

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
271-330																	
271	-40°564	-47°542	-3	° A	...	331	-35°840	+40°473	-4	° M	...	391	-31°299	+18°801	-4	° M	...
...	40°545	-22°999	-5	M	...	...	35°786	+38°475	-4	M	...	...	31°272	+10°861	-4	M	...
...	40°494	+18°028	-5	M	...	...	35°758	+15°363	-5	M	...	...	31°137	-7°293	-4	M	...
...	40°255	-59°481	-3	...	...	...	35°741	-22°690	-4	M	...	...	31°115	-39°151	-5	M	...
...	40°213	-56°832	0°65	47.7388	10°2	...	35°634	-7°704	-4	...	...	...	31°105	-36°626	-5	M	...
...	-40°167	+27°232	-3	A	...	...	35°627	-46°609	-5	M	...	...	31°082	+13°801	-5	M	...
...	40°133	+5°914	-2	...	...	...	35°475	+28°187	-3	B	...	...	31°077	+18°729	-4	...	...
†	40°074	-2°594	-5	M	...	...	35°357	+20°559	-4	M	...	S *	30°941	-2°130	2°00	46.7719	8°2
...	39°770	+52°279	-3	...	...	...	35°256	-34°098	0°80	47.7394	10°2	...	30°795	-14°631	-3	...	...
...	39°696	-46°783	-4	B	...	*	35°170	-14°203	1°20	47.7396	9°2	...	30°610	+1°382	-5	M	...
281	-39°532	+56°075	-4	M	...	341	-35°127	+18°682	1°00	46.7711	9°5	401	-30°601	+39°377	-4	M	...
...	39°511	-11°169	-3	...	...	...	35°077	+24°116	-5	M	...	S *	30°580	+16°548	2°20	46.7720	8°0
*	39°473	-14°431	0°85	47.7389	9°9	...	34°930	+35°802	-5	M	...	*	30°525	-34°227	0°85	47.7399	9°8
...	39°304	-43°357	-5	M	...	...	34°930	-44°069	0°65	47.7395	10°2	...	30°523	+23°213	-3	...	...
...	39°204	+52°400	0°90	46.7706	10°2	...	34°880	+52°199	-3	A	...	...	30°272	+40°885	-5	M	...
...	-39°104	+29°575	0°75	46.7705	10°2	...	34°875	+43°986	0°65	46.7712	10°2	...	30°237	+21°065	-5	M	...
...	39°056	+11°966	-3	A	...	...	34°845	+30°231	-3	A	...	...	30°197	-15°421	-5	M	...
...	39°048	-57°251	-5	M	...	...	34°741	+29°891	-5	M	...	†	30°131	-36°524	-2	47.7400	10°2
...	38°960	+12°039	-4	M	...	...	34°657	-31°707	-3	...	...	...	30°123	+36°239	-1	...	...
...	38°946	-3°642	-2	...	...	...	34°646	+43°745	0°75	46.7713	10°2	...	30°107	-31°625	-2	...	...
291	-38°919	+24°282	-4	M	...	351	-34°402	+51°420	0°70	46.7714	10°1	411	-30°089	+44°339	-4	M	...
...	38°889	-31°210	-5	M	...	...	34°346	-18°689	-5	M	...	...	30°073	+57°274	-3	...	...
...	38°683	-52°029	-1	47.7390	10°2	...	34°252	-49°747	-4	M	...	...	30°031	-22°991	-2	...	...
...	38°624	+11°685	-5	M	...	...	34°095	-8°805	-4	...	...	*	29°928	+14°261	0°95	46.7721	9°6
*	38°431	+23°179	0°90	46.7707	9°9	...	33°908	+43°259	-5	M	...	...	29°846	+34°346	0°85	46.7722	10°2
...	-38°398	+8°901	-5	M	...	...	33°869	-19°577	-3	...	...	*	29°651	-28°257	1°30	47.7401	9°2
...	38°366	-18°892	-3	...	...	...	33°802	+15°324	-4	M	...	...	29°613	-41°963	-1	...	...
...	38°336	+9°972	-4	M	...	...	33°616	+23°101	-5	M	...	...	29°494	-14°130	0°65	...	...
...	38°195	-5°287	-4	...	...	...	33°541	-8°040	-5	M	...	...	29°410	-2°000	-4	M	...
...	38°098	+14°018	0°65	...	...	...	33°321	+26°421	-5	M	...	...	29°354	+21°239	-4	...	...
301	-37°985	+33°098	-2	A	...	361	-33°253	-36°529	-4	...	...	421	-29°337	-20°148	-4	M	...
...	37°927	-45°403	-4	A	...	...	33°233	-2°811	0°90	46.7715	9°6	*	29°256	-59°563	1°00	47.7402	9°6
*	37°923	+7°180	1°00	46.7708	9°2	...	33°227	+45°097	-4	M	...	...	29°221	+32°893	-5	M	...
*	37°772	-39°285	0°90	47.7391	10°0	...	33°210	+43°921	-5	M	...	...	29°173	-29°687	-2	...	...
...	37°713	-59°549	-4	A	...	...	33°038	-35°490	0°90	47.7397	9°6	...	29°115	+31°636	-2	...	...
...	-37°710	-44°639	-5	M	...	...	33°019	-10°999	-4	M	...	...	29°092	-21°070	-3	...	...
...	37°706	-18°699	-5	M	...	...	32°915	+37°791	-4	M	...	...	29°027	+36°292	-3	A	...
...	37°695	+33°007	-4	D	...	...	32°914	-55°850	-4	...	...	...	28°940	-17°850	-3	...	...
...	37°676	+54°535	-3	B	...	...	32°886	+26°165	-4	M	...	...	28°914	-6°360	-5	M	...
...	37°409	-10°787	-4	M	...	...	32°869	+28°259	0°70	46.7716	9°8	...	28°812	-35°151	-4	M	...
311	-37°353	+19°937	-4	M	...	371	-32°561	-59°017	-3	...	...	431	-28°053	-17°791	-5	M	...
...	37°196	+51°163	-4	M	...	...	32°527	+3°445	-4	M	...	...	27°987	-16°128	-3	A	...
...	37°071	+56°284	-5	M	...	...	32°339	-32°687	-5	M	...	*	27°953	+30°952	0°95	46.7723	9°6
...	36°968	-49°472	-5	M	...	...	32°151	+32°684	-5	M	...	...	27°936	-29°769	-2	...	...
...	36°883	-46°961	-3	...	...	...	32°126	+4°572	-5	M	...	*	27°833	-15°515	1°00	47.7403	9°6
...	-36°825	-41°155	-2	...	...	...	32°062	+28°955	-5	M	...	...	27°786	+4°216	-4	M	...
...	36°758	-29°918	-3	...	...	...	32°006	+14°822	-5	M	...	...	27°747	-53°583	-4	A	...
...	36°711	-6°429	0°75	47.7392	10°2	*	31°995	+5°200	1°35	46.7717	8°8	...	27°616	+40°278	-3	A	...
...	36°686	+45°135	-5	M	...	...	31°766	-57°818	-4	...	...	*	27°568	+27°121	1°00	46.7724	9°6
...	36°639	-37°899	-5	M	...	...	31°763	-34°012	-5	M	...	...	27°561	+2°869	-3	B	...
321	-36°633	+14°055	-2	A	...	381	-31°754	-35°532	-5	M	...	441	-27°327	-38°965	-1	...	...
*	36°585	+52°148	0°95	46.7710	10°0	...	31°596	+6°510	-5	M	...	...	27°102	+35°578	-2	...	...
...	36°465	-9°118	-4	...	...	...	31°553	-35°815	-2	...	...	...	26°951	-32°706	0°80	47.7405	10°1
...	36°363	-3°915	0°85	46.7709	9°8	...	31°514	-10°835	-4	...	...	...	26°797	-38°282	-2	...	...
...	36°322	+43°388	-3	B	...	...	31°438	-32°854	1°00	47.7398	9°6	*	26°676	-6°146	0°95	47.7406	9°6
...	-36°281	+20°510	-3	A	...	...	31°401	+3°780	-4	...	...	*	26°580	+54°606	1°00	46.7725	9°6
...	36°275	+46°583	-4	M	...	...	31°395	+8°914	-5	M	...	...	26°562	+57°301	-5	M	...
...	36°268	+2°905	-5	M	...	...	31°395	-43°003	-3	...	...	*	26°462	+58°735	1°20	45.7659	9°5
...	36°196	-44°219	-3	...	...	...	31°321	-11°562	-5	M	...	...	26°219	+44°300	-5	M	...
...	35°961	+48°488	-4	M	...	*	31°313	-3°319	0°90	46.7718	9°6	...	26°169	+16°213	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
451-510																		
45 ¹	-26.000	-38.780	-5	°	M	...	51 ¹	-20.027	+40.194	1.40	46.7731	8.8	57 ¹	-13.856	-52.106	-1	47.7419	10.2
...	25.974	-9.735	-4	M	...	...	...	20.022	+22.846	-4	...	...	...	13.837	+7.802	-4	...	...
...	25.961	-22.229	-4	M	...	...	...	19.962	+30.790	-5	M	...	...	13.760	-32.389	0.70	47.7421	10.2
...	25.795	-55.409	-1	...	...	...	...	19.897	-27.858	-4	M	...	...	13.582	+50.836	-4	...	...
...	25.766	-38.889	-5	M	...	...	...	19.805	+45.004	-4	M	...	...	13.547	-34.929	-5	M	...
...	-25.723	+34.440	-5	M	...	...	...	-19.743	+54.311	-5	M	...	...	-13.329	+1.373	-5	M	...
...	25.620	-17.668	-3	...	...	...	...	19.687	-57.525	-4	M	...	...	13.273	-32.038	-3	...	...
...	25.453	-52.682	-3	A	...	...	...	19.617	-1.849	-5	M	...	...	12.947	+25.067	-5	M	...
...	25.373	+33.153	-2	...	...	...	...	19.610	-11.427	-5	M	...	...	12.909	+27.026	-5	M	...
...	25.294	+50.207	-5	M	...	...	...	19.589	-53.169	-5	M	...	...	12.836	-44.996	-1	47.7422	10.2
46 ¹	-25.153	-31.176	0.75	47.7408	10.0	...	52 ¹	-19.441	+15.979	-3	...	...	58 ¹	* -12.806	-9.339	2.30	47.7423	8.2
...	25.144	-29.887	0.65	47.7409	10.2	...	...	19.353	+47.449	-5	M	...	...	* 12.776	-14.303	0.85	47.7424	9.9
...	25.084	+50.606	1.00	46.7726	9.6	...	...	19.343	+40.940	-3	B	...	...	12.663	+41.230	-2	46.7739	10.2
...	25.050	-42.577	-4	...	...	*	...	19.119	+15.959	0.85	46.7732	9.6	...	12.656	-16.718	-2	...	...
...	24.586	-39.027	-4	...	...	...	...	19.100	+47.292	-3	A	...	...	12.387	-1.476	-5	M	...
...	-24.500	-1.602	-4	...	...	...	...	-18.917	+23.383	-4	M	...	...	* 12.349	+53.251	1.10	46.7740	9.4
...	24.403	+27.094	-4	M	...	*	...	18.891	+16.900	2.10	46.7733	8.2	...	12.298	-37.601	-5	...	...
...	24.387	+35.263	-5	M	...	...	...	18.854	+34.323	-4	M	...	...	12.220	+5.856	-5	M	...
...	24.267	+0.697	0.65	46.7727	10.2	...	...	18.609	+0.450	-1	...	...	...	12.068	+32.827	-4	...	...
...	24.262	+15.680	-5	M	...	...	...	18.533	-2.010	-5	M	...	...	11.968	-17.636	-4	...	...
47 ¹	-24.136	+50.120	1.85	46.7728	8.6	*	53 ¹	-18.483	-34.312	0.90	47.7416	9.9	59 ¹	-11.918	-21.845	-4	...	...
S *	24.087	-4.859	-4	...	...	...	...	18.421	-43.383	-2	...	...	...	11.860	-36.746	-5	M	...
...	23.890	+24.920	-4	M	...	...	...	18.394	+51.898	0.75	46.7734	10.2	...	11.821	+16.756	-3	...	...
...	23.770	-36.856	-5	...	...	...	...	17.775	+11.870	-2	...	...	...	11.745	+17.988	-5	M	...
...	23.741	-3.600	-5	M	...	...	...	17.336	-55.736	-5	M	...	...	11.620	-53.709	-5	M	...
...	-23.716	-2.630	-5	...	...	...	...	17.189	-12.042	-4	...	...	...	-11.569	+15.792	-4	M	...
...	23.701	-38.452	-5	M	...	...	...	17.125	+56.834	-1	...	...	...	11.504	-33.161	-3	...	...
...	23.599	+7.282	-3	...	...	*	...	17.037	+34.939	-3	46.7735	10.1	*	11.420	-33.946	0.90	47.7425	9.6
...	23.411	-33.476	-5	M	...	*	...	16.995	+35.823	1.40	46.7736	9.0	...	11.381	-31.448	-4	...	...
...	23.236	-20.717	0.70	47.7411	10.0	...	16.973	-54.218	-3	...	...	...	11.342	+56.591	-5	M	...	
48 ¹	-23.216	+17.482	1.50	46.7729	8.8	*	54 ¹	-16.935	+59.553	-5	M	...	60 ¹	-11.331	+6.830	-5	M	...
...	22.946	-58.184	-3	...	...	...	...	16.927	+59.269	-1	45.7666	10.2	...	11.281	-36.586	0.75	47.7426	10.0
...	22.910	-31.985	-5	M	...	...	...	16.571	+28.250	-5	M	...	...	11.251	-59.539	-3	...	...
...	22.900	+57.850	-3	...	...	*	...	16.546	-49.751	-5	M	...	...	11.250	+30.743	-5	M	...
...	22.875	+28.785	-5	M	...	...	...	16.510	-41.600	-4	A	...	...	11.038	+15.792	-5	M	...
...	-22.712	+32.647	-2	...	...	...	...	16.400	-7.471	-5	M	...	...	-10.901	-46.928	-5	M	...
...	22.561	+6.502	-2	...	...	...	...	16.388	+5.979	-3	...	...	...	10.889	-47.140	-5	M	...
...	22.552	+1.112	-2	...	...	...	...	16.305	-13.924	-4	...	...	...	10.831	+42.408	-5	M	...
...	22.296	-44.398	-4	...	...	*	...	16.166	+41.680	1.00	46.7737	9.6	...	10.811	+27.347	-5	M	...
...	22.191	+8.859	-2	...	...	...	...	15.980	+22.776	-2	...	...	...	10.713	-15.053	-5	M	...
49 ¹	-22.126	+12.903	-4	M	...	...	55 ¹	-15.801	+26.736	-2	...	...	61 ¹	* -10.646	+53.094	1.30	46.7741	9.0
*	21.940	-21.590	0.90	47.7412	9.6	...	...	15.654	-9.218	-4	...	...	...	10.473	+26.824	0.80	46.7742	9.6
*	21.820	+11.525	1.70	46.7730	8.8	...	...	15.638	+20.194	-5	M	...	...	10.354	-38.034	-2	...	...
*	21.786	-17.593	0.80	47.7413	9.9	...	...	15.564	-33.249	-5	M	...	...	10.347	+38.413	-5	M	...
...	21.776	-32.027	-4	M	...	...	...	15.557	-6.542	-5	M	...	*	10.324	+18.738	0.85	46.7743	9.8
...	21.578	+51.081	-3	...	...	*	...	15.542	+15.902	-4	...	...	...	-10.258	+2.030	-5	M	...
...	21.456	+57.991	-5	M	...	*	...	15.520	+15.533	1.50	46.7738	8.9	...	9.964	+56.293	-2	...	...
...	21.452	-37.426	-5	...	...	...	...	15.474	+14.188	-2	...	...	...	9.814	+24.432	-5	M	...
...	21.344	-41.500	-5	M	...	...	...	15.233	-38.677	-4	M	...	...	9.658	+44.621	-5	M	...
...	21.306	-9.333	-5	M	...	...	...	14.972	+34.335	-5	M	...	*	9.605	+34.693	1.40	46.7744	9.0
50 ¹	-21.107	+37.716	-2	...	...	*	...	-14.937	-5.218	0.85	47.7417	9.8	62 ¹	-9.450	+34.023	-5	M	...
...	20.975	-52.957	-3	...	...	...	...	14.872	-26.704	-2	...	...	*	9.276	+49.588	2.20	46.7745	8.4
...	20.927	+13.831	-5	M	...	...	...	14.718	+28.562	-4	...	...	...	9.238	+17.914	-5	M	...
*	20.559	-37.993	0.85	47.7415	10.1	...	...	14.293	-52.785	-5	M	...	*	9.179	-17.033	1.10	47.7427	9.4
...	20.512	-29.343	-4	...	...	*	...	14.285	-42.569	1.05	47.7418	9.4	...	9.023	+49.703	0.65	...	...
...	-20.313	-32.730	-5	M	...	*	...	-14.269	+59.511	1.80	45.7671	8.2	...	-8.818	+11.311	-1	46.7746	10.2
...	20.221	+12.421	-4	...	...	...	...	14.196	+18.310	-5	M	...	...	8.723	+28.208	0.65	46.7747	10.2
...	20.153	-27.699	-4	...	...	...	...	14.069	-7.461	-5	M	...	...	8.410	+25.270	-5	M	...
...	20.114	-1.468	-5	...	...	...	...	14.053	-50.355	-5	M	...	...	8.208	+34.305	-5	M	...
...	20.072	-36.485	-4	...	...	...	...	13.898	+57.236	0.75	45.7672	10.2	...	8.140	-10.310	-1	47.7429	9.8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
631-690																			
631 S *	- 8°126	- 57°464	1°80	47.7428	8·4	691	*	- 3°006	+ 16°594	1°15	46.7755	9°4	751	+ 2°966	- 34°139	- 5	° M	...	
...	8°075	+ 32°528	- 3	...	...	...	...	2°977	+ 21°448	- 5	M m	...	...	3°015	- 32°450	- 3	...	...
...	7°985	+ 41°377	- 4	M	...	...	...	2°976	+ 5°442	- 4	M	...	...	3°136	+ 36°575	- 5	M	...
...	7°910	+ 22°225	- 2	...	...	...	...	2°925	+ 13°593	- 4	...	...	...	3°202	- 26°409	- 4	...	...
...	7°781	- 26°233	0°70	47.7430	10°2	...	...	2°913	+ 3°766	- 3	...	...	...	3°512	+ 9°269	- 4	M	...
...	- 7°699	+ 21°538	- 5	M	...	...	...	- 2°912	+ 31°356	- 4	...	...	*	+ 4°004	+ 11°481	1°40	46.7764	9°0
...	7°613	+ 21°213	- 3	...	...	...	*	2°901	+ 46°462	1°25	46.7756	9°0	...	4°129	+ 54°081	- 5	M	...
...	7°526	- 48°519	0°80	47.7431	9°8	...	...	2°669	- 28°212	- 5	M m	...	...	4°198	+ 29°431	0°75	46.7765	10°0
...	7°408	+ 10°727	- 5	M m	...	...	...	2°667	+ 14°342	- 5	...	...	...	4°280	- 25°009	- 4	M	...
...	7°382	- 19°596	- 5	M m	...	...	...	2°593	- 37°297	- 5	M	...	*	4°351	+ 50°160	0°90	46.7766	9°8
641	- 7°330	- 5°736	- 5	M m	...	701	*	- 2°370	- 52°411	1°00	47.7437	9°6	761	+ 4°433	- 29°514	- 4	...	...
...	7°274	+ 43°398	- 4	M	...	...	...	2°258	+ 46°849	- 2	46.7757	10°2	...	4°709	- 0°142	- 4	M	...
*	7°107	+ 58°788	1°00	45.7678	9°5	...	...	2°211	- 26°658	- 4	...	...	...	4°975	- 44°978	- 5	M	...
...	7°102	+ 7°952	- 1	46.7748	10°1	...	...	1°858	+ 30°487	- 5	M m	...	...	5°051	- 5°135	- 5	M	...
...	6°741	+ 9°122	- 2	46.7749	10°2	...	*	1°688	+ 34°901	0°90	46.7758	9°5	...	5°211	+ 30°860	- 4	...	...
...	- 6°680	- 44°621	- 3	...	...	...	...	- 1°686	+ 46°270	- 5	M m	...	...	5°228	- 36°395	- 3	...	...
...	6°655	- 51°925	- 3	...	...	...	*	1°594	+ 21°701	0°95	46.7759	9°6	†	5°364	- 39°869	- 2	47.7442	10°2
...	6°595	+ 39°061	0°70	...	...	...	...	1°545	- 25°821	- 5	M m	...	...	5°485	- 35°385	- 3	...	...
...	6°521	+ 28°459	0°85	46.7750	10°1	...	...	1°361	+ 26°339	- 4	...	...	...	5°617	+ 33°056	- 5	M	...
...	6°462	+ 20°204	- 5	M m	...	...	...	1°096	+ 54°081	- 5	M	...	...	5°928	+ 27°599	0°85	46.7767	9°6
651	- 6°443	- 48°792	- 2	...	...	711	...	- 1°004	- 59°215	- 5	M m	...	...	+ 5°966	+ 43°223	- 4	M	...
...	6°347	+ 45°323	- 5	M	...	...	...	0°883	- 23°716	- 4	...	...	...	6°029	+ 26°687	- 5	M	...
...	6°196	+ 48°234	- 5	M	...	...	...	0°840	+ 1°948	- 5	M m	...	...	6°104	+ 33°626	- 5	M	...
...	6°132	- 11°820	- 3	...	...	...	...	0°610	- 25°393	- 4	...	...	...	6°256	- 56°050	- 3	...	...
...	6°078	- 16°565	- 4	...	...	...	...	0°475	- 59°013	- 5	M	...	...	6°447	+ 34°980	- 4	...	...
...	6°026	+ 24°510	- 3	M	...	...	*	- 0°139	- 43°938	- 3	...	...	...	+ 6°589	+ 2°158	- 1	...	...
S *	6°007	+ 39°631	0°80	46.7751	10°2	...	...	0°128	+ 26°458	- 4	...	...	...	6°874	+ 40°631	- 5	M	...
*	5°945	+ 14°610	4°30	46.7752	7°4	...	...	- 0°057	- 8°946	- 5	M m	...	...	6°910	- 21°678	- 5	M	...
*	5°907	- 8°372	0°90	47.7432	9°8	...	...	+ 0°218	+ 34°233	- 4	M	...	...	7°357	- 43°524	- 5	M m	...
661	5°723	+ 28°289	- 4	M	...	721	...	0°265	- 7°245	- 1	47.7439	10°2	...	7°359	- 28°846	- 4	...	...
...	- 5°671	- 13°586	- 3	...	...	...	+	0°360	+ 25°873	- 5	M	...	...	+ 7°461	+ 44°581	- 5	M	...
...	5°639	- 45°362	- 4	M	...	...	...	0°421	- 56°818	- 3	...	...	...	7°469	- 35°285	- 3	...	...
...	5°592	+ 50°189	- 5	M	...	...	...	0°515	+ 46°573	- 3	...	...	...	7°685	+ 52°044	0°75	46.7769	9°8
...	5°537	- 31°339	- 5	M m	...	...	*	0°558	- 51°260	0°90	47.7440	9°6	...	7°788	+ 45°438	- 5	...	...
...	5°490	- 22°404	- 4	...	...	...	...	0°598	- 1°259	- 4	M m	...	...	7°810	+ 30°101	- 2	46.7768	10°2
...	5°337	- 40°346	- 1	...	...	...	+	0°603	+ 28°464	- 5	M	...	...	+ 8°132	+ 26°058	0°70	46.7770	9°6
...	5°251	- 6°367	0°75	47.7433	10°1	...	...	0°652	+ 5°991	- 5	M	...	...	8°308	+ 53°305	- 5	...	...
...	5°145	+ 55°183	- 5	M	...	...	...	0°713	+ 50°859	- 4	M	...	...	8°321	- 56°926	- 3	...	...
†	5°121	- 17°326	- 4	...	...	...	...	0°725	- 45°330	- 3	...	...	...	8°545	- 56°164	- 4	...	...
†	5°104	- 2°872	- 4	...	...	...	...	0°866	+ 15°329	- 4	M	...	...	8°718	- 4°490	- 3	...	...
671	*	- 4°810	+ 38°761	0°85	46.7753	9°9	731	*	+ 1°076	- 52°567	1°80	47.7441	8°2	...	+ 8°819	- 3°429	0°70	46.7771	10°0
*	4°747	- 4°678	1°40	47.7434	9°0	...	...	1°314	- 41°770	- 2	...	...	...	9°202	- 32°598	- 5	...	...
...	4°581	+ 35°866	- 5	M m	...	...	...	1°324	+ 30°387	- 4	M	...	...	9°426	+ 2°030	- 1	...	...
...	4°505	+ 17°043	- 3	M	...	...	*	1°370	+ 4°090	1°20	46.7760	9°4	...	9°476	- 36°068	0°70	47.7444	9°9
...	4°454	+ 47°516	- 5	M	...	...	...	1°415	+ 7°486	- 5	M m	...	*	9°655	- 17°193	1°25	47.7446	9°3
...	- 4°440	+ 48°965	- 5	M	...	...	+	1°425	+ 7°712	- 5	M	...	*	+ 9°697	- 53°405	1°20	47.7445	9°3
...	4°344	- 26°026	- 4	...	...	...	...	1°498	- 26°590	- 5	M	...	...	9°981	+ 56°481	- 5	m	...
...	4°179	- 31°249	- 3	...	...	...	...	1°538	- 10°202	- 4	...	...	...	10°368	- 29°664	0°70	47.7447	10°2
...	4°069	+ 32°864	- 4	...	...	...	...	1°573	+ 22°352	- 5	M	...	...	10°531	- 55°806	0°85	47.7448	10°2
*	3°843	- 42°854	1°05	47.7435	9°6	...	...	1°603	- 5°565	- 2	...	...	*	10°660	- 17°674	1°10	47.7449	9°4
681	- 3°754	+ 2°045	- 5	M m	...	741	...	+	1°944	+ 29°551	- 1	46.7761	10°2	...	+ 11°150	- 25°620	- 4
...	3°735	- 5°574	- 4	...	...	...	...	1°952	+ 48°604	0°75	46.7762	10°1	...	11°439	+ 34°651	- 4	...	...
...	3°710	+ 2°098	0°65	46.7754	10°0	...	...	2°035	- 11°064	- 4	...	...	...	11°588	+ 13°405	- 2	...	...
...	3°701	+ 0°186	- 4	M m	...	...	...	2°249	+ 13°135	- 4	M	...	...	11°589	- 58°634	- 2	...	...
...	3°679	+ 38°919	- 5	M	...	...	...	2°275	+ 10°125	- 5	M	...	*	11°629	- 33°820	0°95	47.7450	9°4
...	- 3°557	- 31°798	- 3	...	...	...	+	2°330	- 50°567	- 1	...	...	...	+ 11°914	- 24°802	- 2	...	...
...	3°496	- 11°422	- 5	M m	...	...	...	2°574	+ 26°845	- 1	46.7763	10°2	...	12°031	- 28°679	- 3	...	...
...	3°390	- 25°282	0°75	47.7436	10°0	...	...	2°724	- 38°041	- 3	...	...	*	12°108	- 33°576	0°80	47.7451	9°8
...	3°236	- 36°427	- 5	...	...	...	...	2°751	+ 30°799	- 4	M	...	*	12°169	- 32°963	1°20	47.7452	9°0
...	3°045	- 17°326	- 5	M m	...	...	...	2°948	- 39°026	- 3	...	...	...	12°226	- 4°210	- 2	46.7772	10°1

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
811-870																		
811	+12·370	+24·612	-2	o	...	...	+21·911	+8·007	-4	o	...	...	+32·205	-40·753	-3	o	...
...	12·962	-58·904	-4	...	...	...	21·920	-42·667	-3	...	...	...	32·484	-30·500	-3	...	...
...	13·068	-55·841	-3	...	...	...	22·028	-59·500	-2	...	...	...	32·649	-31·949	-3	...	...
...	13·089	+28·135	-5	...	...	*	22·411	-25·925	1·20	47·7463	9·3	...	33·063	+26·474	0·65	...	...
†	13·091	-29·922	-3	...	...	...	22·753	-49·986	-2	...	...	*	33·319	-24·793	1·00	47·7478	9·6
...	+13·223	-45·776	0·70	47·7453	10·2	†	+22·756	-14·893	-2	...	...	...	+33·355	+8·398	-5	...	...
...	13·494	+25·288	-5	...	...	...	23·192	+59·411	-1	...	...	...	33·434	-26·212	-3	...	...
...	13·602	+24·358	-3	...	...	...	23·424	-16·289	-4	...	...	...	33·548	+12·572	-2	46·7783	10·2
...	13·824	-23·666	-2	...	...	...	23·588	+33·538	0·90	46·7779	9·8	...	33·739	+15·523	-4	...	...
...	13·874	-46·451	0·80	47·7454	10·1	*	24·047	+36·931	1·30	46·7780	9·2	...	33·919	+5·643	-3	...	...
821	+13·919	+9·350	-3	...	...	881	+24·145	-35·718	-5	m	...	941	+33·928	-18·827	-5	m	...
*	13·975	+32·551	1·00	46·7774	9·5	...	24·450	-1·686	-3	...	...	...	33·929	-44·025	-1	...	...
*	14·055	+10·682	1·20	46·7773	9·0	†	24·773	-10·807	0·85	47·7465	9·8	...	34·220	+15·500	-4	...	...
S *	14·062	-11·143	1·75	47·7455	8·6	...	25·241	+35·325	-3	...	...	...	34·276	-44·186	-4	...	...
...	14·129	+10·641	-4	a	...	...	25·353	-21·765	-2	...	...	...	34·331	+5·719	-4	...	...
...	+14·443	-54·363	-4	...	...	...	+25·513	-50·045	-5	...	...	...	+34·386	-9·567	-5	m	...
...	14·484	-45·427	-2	...	...	...	25·556	-18·248	-5	...	...	...	34·395	-40·647	-5	...	...
...	14·644	+13·726	-3	...	...	†	25·705	-14·897	-2	47·7467	10·1	...	34·455	-53·573	-2	...	...
†	14·816	-42·028	0·80	47·7456	9·9	...	25·743	+45·077	-5	...	...	...	34·611	-15·942	-3	...	...
...	15·165	+53·911	-5	m	...	...	25·743	-50·244	-3	...	...	...	34·830	-35·802	-5	...	...
831	+15·245	-27·970	0·70	47·7457	10·2	...	+25·870	-32·962	-2	...	...	951	+35·210	-10·396	0·90	47·7479	9·6
...	15·546	-29·791	-4	...	...	...	26·173	+37·854	-5	...	...	...	35·275	-9·264	-5	m	...
...	15·919	+21·587	-5	...	...	...	26·394	-22·317	0·65	...	...	...	35·297	-51·927	0·85	47·7480	10·1
*	16·164	+59·436	0·95	45·7704	9·8	...	26·628	-55·592	0·95	47·7468	9·6	*	35·358	-57·624	1·05	47·7481	9·6	
...	16·429	+46·354	-5	...	...	...	26·655	+9·102	-4	...	...	...	35·462	+57·386	-5	...	...
...	+16·529	+9·018	-4	...	...	...	+26·808	-16·873	-3	...	...	...	+35·570	+10·289	-5	...	...
...	16·543	-26·842	0·65	47·7458	10·2	...	26·857	+52·076	-5	...	...	...	35·612	-35·956	0·65	47·7482	10·2
...	16·608	+28·497	-5	...	...	...	26·987	-13·276	-4	...	...	...	35·938	-24·827	-5	...	...
...	16·624	-55·527	-4	...	...	...	27·173	-11·655	-3	...	...	...	36·065	+59·228	-5	...	...
...	16·723	-5·791	-3	...	...	...	27·189	-1·929	-5	m	...	...	36·069	-11·225	0·90	47·7483	9·6
841	+17·009	-20·328	-3	...	...	901	+27·198	+28·229	0·80	46·7781	9·6	*	+36·158	-57·115	1·05	47·7485	9·6
...	17·322	-49·773	0·65	47·7459	10·2	...	27·204	-18·105	-3	...	...	...	36·197	-0·945	-2	...	...
...	17·518	-13·720	-3	...	...	...	27·430	-15·238	0·95	47·7469	9·5	*	36·323	-22·933	0·80	47·7484	9·6
...	17·543	+25·754	-3	...	...	...	27·651	-44·935	-5	m	...	...	36·392	+36·989	-5	...	...
...	17·597	+55·900	-5	...	...	...	27·936	+25·185	0·65	46·7782	9·9	...	36·490	+41·348	-5	...	...
...	+17·688	-49·927	-3	...	...	...	+28·376	-3·160	-3	...	...	...	+36·523	-45·305	-5	...	...
...	18·114	+12·115	-3	...	...	...	28·437	-21·588	-5	...	...	...	36·874	-36·168	-3	...	...
...	18·694	-46·213	-5	m	...	...	28·480	-20·803	-5	m	...	...	37·258	+5·000	-4	...	...
...	19·124	+49·612	-2	...	...	...	28·481	-31·151	-5	...	...	...	37·324	+57·268	-3	...	...
...	19·234	-46·204	-4	...	...	...	28·525	-29·450	-5	...	...	...	37·644	+34·348	-3	...	...
851	+19·283	+34·377	-5	...	...	911	+28·694	-22·536	0·65	47·7470	10·2	...	+37·674	-52·802	-5	...	...
...	19·293	-49·659	-4	...	...	...	28·710	-8·177	-2	...	...	...	37·754	+25·096	-4	...	...
...	19·528	-52·743	-5	...	...	...	28·716	-34·746	-3	...	...	...	38·360	-31·777	-5	m	...
+	19·747	-32·256	-4	...	...	...	28·725	-51·971	-5	m	...	*	38·380	+6·410	0·90	46·7784	9·8
...	20·071	-26·567	-5	m	...	...	28·945	-14·425	-5	...	...	...	38·389	+43·014	-5	m	...
...	+20·163	-13·006	-2	47·7460	10·2	†	+29·186	-19·891	0·70	47·7471	10·0	...	+38·539	+47·427	-3	...	...
...	20·232	-44·207	0·85	47·7461	10·0	...	29·214	+29·114	-2	...	...	*	38·557	-40·149	1·00	47·7486	9·6
...	20·502	+48·487	0·95	46·7775	9·8	...	29·413	+44·321	-5	...	...	...	38·903	+34·442	-5	...	...
...	20·726	+58·151	-5	m	...	...	29·912	+21·653	-5	m	...	...	38·997	-45·608	-2	...	...
...	20·865	-44·468	-4	...	...	...	29·945	+17·329	-5	...	...	...	39·199	-9·566	-1	47·7487	10·2
861	+20·900	+35·591	-3	921	+30·014	+46·047	-4	981	S *	+39·309	+40·759	1·55	46·7785	8·8
...	20·949	+10·350	-3	...	...	...	30·322	-39·035	0·80	47·7473	10·1	...	39·320	-3·830	-3	...	...
...	21·111	-48·651	-4	...	...	...	30·347	+18·146	-4	...	...	...	39·436	+52·935	-4	...	...
...	21·127	-1·917	0·70	46·7776	10·0	...	30·737	-30·661	-2	...	...	...	39·524	-23·303	-5	m	...
...	21·414	-26·265	-5	...	...	*	31·169	-47·289	1·00	47·7475	9·6	*	39·533	-7·598	-3	...	...
...	+21·439	-58·015	-5	...	...	*	+31·424	-15·125	1·40	47·7476	8·9	*	+39·860	+41·890	1·00	46·7786	9·6
*	21·642	+8·269	1·00	46·7777	9·6	...	31·723	+6·824	-5	m	...	...	40·181	+2·488	-5	m	...
...	21·755	-34·285	-5	m	...	...	31·790	-11·679	0·80	47·7477	10·2	*	40·549	-9·075	1·00	47·7488	9·5
...	21·785	-29·081	-2	...	...	...	31·887	-47·104	-4	...	...	...	40·999	+3·478	0·65	...	...
*	21·847	+24·715	0·90	46·7778	9·8	...	31·938	+52·545	-5	...	...	...	41·065	-8·160	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
991-1020																		
991	+41°116	-42°555	-5	°	m	...	1021	+47°167	+49°553	-5	°	...	1051	+53°424	-21°040	1°25	47.7499	9°0
...	41°421	+54°244	-5	m	47°311	-27°022	-4	53°474	+36°216	-5
...	42°093	+27°564	-4	47°611	+31°941	-2	53°620	+10°193	-4
...	42°104	-40°661	-5	m	47°787	-54°309	-5	54°087	-18°008	-3
...	42°131	-42°470	-5	m	47°819	-46°114	-3	55°043	-55°778	-3
...	+42°140	-18°598	-4	+48°422	-52°025	-4	*	+55°166	-47°945	1°20	47.7501	9°0
...	42°143	+56°847	-3	48°690	+14°424	-4	55°382	+15°925	-4
...	42°423	+40°496	-2	48°768	-26°841	-5	55°873	-3°779	-4
...	42°494	+51°600	-1	S *	48°802	-52°422	3°10	47.7494	6°9	...	55°894	+27°829	-5
...	42°506	-7°752	-2	49°059	+33°210	-5	55°981	-20°868	0°65	47.7502	10°2
1001							1031											
	+43°041	-19°032	-4	*	+49°614	-7°373	1°15	47.7496	9°0	*	+56°259	-43°778	1°10	47.7505	9°5
	43°339	-18°112	0°70	47.7489	10°1	†	49°696	-6°654	-5	...	...	...	56°374	-5°606	-5	e	...
	43°442	+47°107	-4	...	...	...	50°302	-53°134	0°85	47.7497	9°9	...	56°463	-32°269	-5	e	...
	43°853	+22°319	-4	...	...	...	50°360	+27°407	-5	...	...	...	56°619	-16°305	-1	47.7504	10°1
	43°968	+39°413	-4	...	...	...	50°699	+0°768	-3	...	...	...	56°635	-12°964	0°65	47.7503	10°1
	+44°069	-52°967	-4	...	...	...	+50°971	+9°036	-3	...	...	*	+56°807	+27°477	1°05	46.7791	9°6
	44°133	-40°297	-3	...	...	...	51°516	+44°647	-3	...	...	...	57°093	+45°582	-5	...	...
	44°441	+36°416	0°90	46.7787	10°2	...	51°644	-13°010	-5	m	...	...	57°402	-0°341	-5	e	...
	44°571	-14°435	-3	...	...	...	51°816	-15°551	-3	...	...	...	57°426	-50°667	-5	...	...
	44°716	-28°427	-4	...	...	*	52°139	+46°804	1°00	46.7789	9°6	...	57°569	-24°803	0°65	47.7506	10°2
	+44°843	-42°283	0°65	47.7491	10°2	...	1041	+52°250	+46°027	-4	+57°570	-15°063	-5
	* 45°182	-44°256	1°15	47.7492	9°4	...	52°365	-21°856	-3	...	...	...	57°868	-40°711	-5	e	...
	45°209	-48°833	0°65	...	...	...	52°521	+56°675	-5	...	...	...	57°982	-35°815	-5	e	...
	45°247	-43°792	-5	e	...	...	52°689	-46°050	0°85	47.7498	10°2	...	58°524	+29°066	-5	...	...
	45°305	-33°260	-5	...	...	*	52°754	+54°378	1°30	46.7790	9°3	...	58°633	-16°009	-5	e	...
	S *	+45°593	+29°880	1°90	46.7788	8°2	...	+52°789	-37°042	-5	e	...	*	+59°128	-57°274	1°70	47.7507	9°0
	45°754	-24°028	-5	...	...	...	52°918	+40°260	-3	...	...	...	59°162	-28°557	-5	...	...
	46°415	-10°739	0°65	47.7493	10°0	...	53°068	+53°248	-4	...	...	...	59°289	-18°930	-5	e	...
	46°499	+51°008	-4	...	...	...	53°070	-2°228	-3	...	...	...	47°782	-53°391	-5	M	...
	46°685	+11°623	-3	...	...	...	53°407	+54°516	-5	...	...	...	...	...	...	...	...
1051-1078																		

1-20					21-40					41-60							
I	-59°655	-19°505	-5	°M	...	21	-55°952	+1°749	-5	°M	...	41	-51°658	+0°748	-4	...	...
...	59°631	+39°169	-5	...	...	...	55°805	-24°193	-5	...	...	...	51°653	+9°023	-4	...	...
...	59°611	-18°879	-4	...	...	...	55°745	+31°807	-2	...	...	...	51°635	+56°680	-5	...	...
...	59°575	-8°020	-2	...	...	*	55°730	-44°431	1°05	47.7492	9°4	*	51°567	+46°036	-3	...	...
...	59°203	+22°066	-5	...	...	...	55°709	-43°973	-5	E	...	...	51°325	+54°398	1°50	46.7790	9°3
...	-59°077	+36°188	0°75	46.7787	10°2	*	-55°573	-10°888	0°80	47.7493	10°0	...	-51°005	-49°153	-5	...	...
...	58°682	-19°274	-5	...	...	...	55°553	-49°004	-2	...	...	...	50°960	+53°287	-5	...	...
...	58°632	+59°787	0°80	45.7731	10°2	...	54°336	+33°120	-5	...	...	...	50°706	+40°294	-3	...	...
...	* 58°417	-18°352	0°80	47.7489	10°1	...	54°153	-27°119	-4	...	...	...	50°688	+54°562	-5	...	...
S *	57°683	+29°692	1°90	46.7788	8°2	...	54°118	+14°333	-4	...	...	...	50°551	+54°415	-5	...	...
II	-57°477	+50°838	-3	...	...	...	-53°045	-46°201	-4	...	...	51	-50°339	-53°137	0°70	47.7497	9°9
...	57°306	-14°638	-4	...	...	...	52°841	+27°364	-5	...	...	...	50°018	-15°519	-3	...	...
...	56°915	-40°511	-4	...	...	...	52°809	-54°399	-5	...	...	...	49°704	-9°006	-4	A	...
...	56°784	+49°794	-5	...	...	...	52°711	-26°900	-5	...	...	...	49°276	-21°804	-3	...	...
...	56°710	-28°623	-3	...	...	*	52°489	-7°417	1°10	47.7496	9°0	...	49°198	-2°161	-3	...	...
...	-56°580	-53°174	-5	...	...	...	-52°407	-6°701	-5	...	...	...	-49°065	+10°268	-3	...	...
...	56°120	-42°469	0°65	47.7491	10°2	...	52°254	-52°101	-4	...	...	...	48°356	-36°968	-5	E	...
...	56°013	+11°472	-1	...	...	...	52°250	+44°631	-3	...	...	S *	48°237	-20°956	1°10	47.7499	9°0
...	56°013	-32°962	-5	M	...	*	51°845	-52°478	3°05	47.7494	6°9	...	48°179	-45°981	-1	47.7498	10°2
...	55°959	-33.432	-4	...	...	*	51°694	+46°817	1°00	46.7789	9°6	..	47°782	-53°391	-5	M	...

ES measured from 1, 103, 157, 232, 334, 481.
MC .., .., 52, 129, 194, 273, 393, 567.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
61-120																	
61	-47°684	-17°902	-3	o	...	N	-33°688	+22°298	-5	o	...	181	-13°134	+ 9°479	-5	o	...
...	47°466	+16°054	-3	...	...	...	33°118	+10°509	-3	46.7797	10°1	...	13°091	-12°808	1°10	47.7518	9°5
...	47°318	+27°972	-4	...	...	...	32°509	-49°492	-5	...	...	*	13°073	+ 6°420	1°30	46.7806	9°2
...	46°697	+45°755	-3	...	...	...	32°277	+40°418	-5	M	...	*	12°612	+39°570	1°05	46.7807	9°5
...	46°483	+41°913	-5	...	...	...	32°156	-14°907	-5	...	...	...	12°527	+34°582	-5	...	...
*	-46°400	+27°643	0°95	46.7791	9°6	...	-31°676	+23°349	-3	...	...	...	-11°779	+55°979	-5	...	...
...	46°338	-3°623	-3	...	...	...	30°760	-3°640	-1	46.7798	10°2	...	11°742	-38°971	-5	...	...
...	45°788	-5°423	-5	E	...	...	30°371	-52°644	0°65	47.7511	10°2	...	11°739	+ 2°453	-5	M	...
...	45°673	-20°702	0°65	47.7502	10°2	...	29°898	-13°707	-4	...	...	...	11°641	+28°839	-3	...	...
*	45°629	-47°787	1°00	47.7501	9°0	...	29°868	-43°483	-3	...	...	...	11°496	-47°406	-2	...	...
71	-45°509	-55°611	-4	...	...	131	-29°648	+ 6°475	-2	...	...	191	-11°128	-44°682	-2	...	...
*	45°277	-12°772	0°85	47.7503	10°1	...	28°408	+52°326	-1	...	...	...	10°739	-47°697	-3	...	...
...	45°182	-16°115	-1	47.7504	10°1	...	28°271	-16°987	-5	M	...	...	10°533	+ 0°054	-1	z	...
†	45°107	+20°942	-5	...	...	...	28°145	-11°672	-1	47.7512	9°9	...	10°095	-51°932	-3	...	...
...	44°938	-3°986	-5	M	...	...	28°141	+42°601	-5	...	...	...	10°014	+22°144	-1	...	...
...	-44°937	-0°140	-3	E	...	...	-27°721	+17°402	-1	46.7799	10°2	...	-10°011	+44°769	3°00	46.7808	7°9
...	44°841	-32°074	-4	E	...	...	27°301	+49°829	-3	...	...	...	9°756	-30°161	-5	M	...
...	44°748	+29°286	-2	...	...	...	27°094	+51°266	-3	...	...	...	9°697	-57°853	-5	M m	...
*	44°673	-43°583	1°00	47.7505	9°5	...	26°225	+23°510	-5	...	...	...	9°555	+45°161	-5	...	...
...	44°363	+41°681	-5	...	...	...	25°801	+54°309	-5	...	...	...	9°413	-45°149	-4	...	...
81	-44°294	-14°850	-4	...	...	141	-25°670	+ 6°094	-4	...	...	201	-9°276	+52°135	-1	...	...
...	44°128	-43°631	-5	M	...	S *	25°369	+ 4°462	1°15	46.7800	9°2	...	9°101	-25°780	-2	...	...
...	43°990	-24°588	0°70	47.7506	10°2	...	24°985	-37°920	-5	M	...	...	8°733	-49°238	c°65	47.7519	10°2
...	43°939	+16°761	-5	M	...	*	24°675	+16°085	0°95	46.7801	9°6	...	8°732	+37°235	-5	M	...
...	43°303	-50°430	-4	...	...	...	23°995	-20°514	-5	M	...	...	8°495	-57°957	-4	...	...
...	-43°224	-35°571	-5	E	...	...	-23°754	-9°488	-5	M	...	...	-8°420	-47°909	-2	...	...
...	43°188	-15°745	-5	E	...	...	23°124	+50°289	-2	...	...	...	8°196	+49°112	-5	...	...
...	43°157	-40°456	-4	E	...	...	22°929	+39°615	-5	M	...	...	7°436	+29°681	-4	...	...
...	42°951	+58°157	-5	...	...	S *	22°901	+59°193	2°30	45.7754	7°6	...	7°292	+ 5°582	-4	m	...
...	42°913	-31°569	-5	M	...	...	22°475	-40°553	-4	A	...	...	7°132	+27°622	1°60	46.7809	8°8
91	-42°648	-16°887	-5	M	...	151	-22°207	-47°044	-2	...	...	211	-7°082	-37°703	-5	M m	...
...	42°438	-18°661	-4	E	...	...	22°173	-56°189	-3	...	...	...	6°959	-51°365	0°70	47.7520	10°1
*	42°275	+14°092	1°00	46.7792	9°5	...	22°166	-36°115	-2	...	...	...	6°759	-54°551	-4	m	...
...	42°257	-28°283	-3	...	...	...	22°121	-16°257	-5	M	...	...	6°634	-58°388	-5	M m	...
...	41°837	+13°063	-4	...	...	...	21°994	-54°043	-4	...	...	...	6°464	+ 6°512	1°10	46.7810	9°4
...	-41°693	+42°240	0°65	...	...	...	-20°612	-38°469	-3	...	...	...	-6°298	-52°967	-4	...	...
...	41°634	+0°886	-3	...	...	†	20°144	-55°757	-1	...	...	...	5°949	+48°146	-5	M m	...
...	41°592	-11°813	-4	...	...	...	19°490	-35°767	-4	...	...	...	5°599	+17°143	0°85	46.7811	9°8
*	41°382	-56°983	1°20	47.7507	9°0	...	19°437	-17°538	0°65	47.7513	10°2	...	5°492	-0°156	-5	M m	...
...	40°942	+8°696	-1	...	...	...	19°061	-41°549	-5	M	...	...	5°343	-55°801	-1	...	...
101	-40°318	+44°274	-1	...	...	161	-19°028	-56°644	-5	...	...	221	-5°118	-42°535	-4	M	...
...	40°279	-22°954	-2	...	...	...	18°349	+30°810	-5	...	...	...	4°499	-29°254	-1	...	...
...	40°006	+22°144	-3	...	...	*	17°914	+25°996	1°05	46.7802	9°4	...	4°072	-27°663	-4	...	...
*	39°681	+25°763	0°95	46.7793	9°5	*	17°914	-43°219	0°95	47.7514	9°5	...	4°018	-41°611	0°65	...	...
...	39°361	-47°892	-5	M	...	...	17°699	+14°835	0°65	46.7803	10°2	...	3°995	+25°970	-1	...	...
...	-37°981	-50°476	-5	...	...	...	16°823	-16°206	-1	47.7515	10°2	...	-2°812	+13°466	-4	...	...
...	37°744	+1°684	-3	...	...	...	16°798	+41°008	-4	...	...	...	2°801	+32°001	-3	...	...
*	37°695	+18°550	0°80	46.7794	9°8	...	16°623	-50°542	-3	...	...	...	2°257	-59°405	-5	...	...
*	36°978	-44°238	1°20	47.7508	9°0	...	16°530	+24°488	-5	...	...	S *	1°953	+22°726	2°10	46.7812	8°4
...	36°430	-4°131	0°70	46.7795	10°0	...	15°680	-19°170	-3	...	...	...	0°528	+52°750	-3	...	...
III	-36°210	-38°266	-4	...	...	171	-15°483	-52°464	-5	...	...	231	-0°340	-39°989	-5	M m	...
...	35°957	+37°266	0°70	46.7796	10°1	...	15°320	-56°279	0°65	47.7516	10°1	...	+ 0°192	+35°955	-4	...	...
...	35°826	-5°555	-3	...	...	S +	15°191	-36°290	1°20	47.7517	9°0	...	0°210	+53°990	-5	m	...
...	35°796	-49°163	-5	M	...	+	15°132	+16°201	0°85	46.7804	9°8	...	0°332	+51°248	-5	...	...
†	35°504	-39°803	0°70	47.7509	9°9	...	15°034	-35°090	-5	...	...	...	0°400	+27°330	-2	46.7813	10°2
...	-35°479	+25°563	-5	...	...	...	-14°681	+27°620	-5	...	...	...	+ 0°988	+41°846	0°95	46.7814	9°5
...	35°261	+37°845	-5	...	...	...	14°638	-50°740	-5	...	...	...	1°716	-50°937	-5	...	...
...	35°036	-5°274	0°75	47.7510	10°0	...	14°457	-10°869	-4	...	...	...	2°495	+50°295	-5	m	...
...	34°798	+36°175	-3	...	...	...	13°570	-50°267	-4	...	...	...	2°727	-31°308	-5	M	...
...	34°525	+ 0°408	-3	...	...	*	13°404	+35°254	t°00	46.7805	9°6	...	3°035	+28°603	-4	...	...

121. Brighter star. 46°96, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
241-300																	
241	+ 3°160	+ 57°352	- 5	o	...	301	+ 13°458	- 59°636	- 5	m	...	361	+ 24°716	- 27°817	- 2	o	...
...	+ 3°298	- 19°112	0°65	47.7521	10°2	...	+ 13°703	+ 34°996	- 4	...	...	...	+ 24°757	+ 59°844	- 4	...	...
...	+ 3°561	- 17°485	- 5	M	...	...	+ 13°973	- 20°272	- 3	...	...	...	+ 24°918	+ 26°958	- 5	...	...
...	+ 3°745	+ 56°201	- 4	...	...	...	+ 14°236	- 56°027	1°30	47.7526	9°2	...	+ 25°211	+ 44°709	0°65	...	...
...	+ 4°353	+ 25°180	- 4	...	...	...	+ 14°455	+ 57°188	- 4	...	...	...	+ 25°319	+ 18°045	- 5	m	...
...	+ 4°891	+ 21°197	- 4	...	...	...	+ 14°458	- 10°596	- 1	...	...	...	+ 25°408	+ 30°021	- 4	...	...
...	+ 5°221	- 19°552	- 5	...	...	...	+ 14°935	- 32°972	0°65	...	...	...	+ 25°641	+ 37°445	- 3	...	...
...	+ 5°259	+ 36°305	- 5	...	...	...	+ 15°107	+ 31°346	- 4	...	...	...	+ 25°728	+ 45°602	- 5	m	...
...	+ 5°803	+ 34°856	- 3	...	...	...	+ 15°808	+ 7°003	- 4	...	...	...	+ 25°780	+ 45°801	- 5	m	...
...	+ 5°883	+ 49°365	0°70	46.7815	10°2	*	+ 16°122	+ 45°517	0°90	46.7818	9°6	...	+ 25°994	- 13°693	- 3	...	...
251	+ 5°909	- 46°086	- 5	...	...	311	+ 16°203	+ 22°705	- 5	m	...	...	+ 26°026	+ 48°547	- 5	m	...
...	+ 6°005	+ 19°418	- 2	...	...	...	+ 16°304	+ 45°301	0°80	46.7819	9°9	...	+ 26°082	- 15°165	- 4	...	...
N	+ 6°113	- 20°454	0°65	47.7522	9°6	...	+ 16°425	+ 26°811	- 5	m	...	*	+ 26°494	+ 50°268	1°15	46.7825	9°4
N	+ 6°144	- 20°378	0°70	47.7522	9°6	...	+ 16°438	+ 46°137	0°80	46.7820	9°9	†	+ 26°700	+ 0°074	- 5	m	...
...	+ 6°640	- 53°091	- 3	...	...	...	+ 17°098	- 14°171	- 3	...	...	...	+ 27°084	+ 8°305	- 1	...	...
...	+ 6°737	- 45°386	- 4	...	...	...	+ 17°300	- 1°966	- 5	...	...	...	+ 27°244	+ 37°453	- 5	m	...
...	+ 6°918	- 46°157	- 5	M	...	...	+ 17°592	- 57°646	- 4	...	...	...	+ 27°275	+ 50°556	- 5	m	...
...	+ 7°093	- 21°143	- 5	...	...	...	+ 17°689	- 55°776	- 5	...	...	*	+ 27°539	+ 49°596	0°80	46.7827	10°0
...	+ 7°094	- 45°859	- 1	47.7523	10°2	†	+ 17°783	+ 24°956	- 3	...	...	*	+ 27°564	+ 51°465	1°50	46.7826	9°0
...	+ 7°892	+ 29°724	- 3	...	...	...	+ 17°946	- 33°150	0°65	...	...	N	+ 27°564	+ 22°829	- 5	...	...
261	+ 8°115	+ 24°942	- 5	...	...	321	+ 18°146	- 53°503	- 4	...	...	...	+ 27°824	+ 40°266	- 5	m	...
...	+ 8°195	- 35°462	- 4	...	...	...	+ 18°248	- 35°667	- 4	...	...	*	+ 28°006	+ 44°671	1°90	46.7828	8°6
...	+ 8°219	- 12°948	- 5	...	...	S *	+ 18°529	- 11°963	1°50	47.7528	8°6	...	+ 28°030	+ 37°530	0°65	...	...
...	+ 8°403	- 41°016	- 4	...	...	...	+ 18°575	+ 9°122	- 5	...	...	...	+ 28°088	+ 56°482	- 5	m	...
...	+ 8°600	- 41°854	- 4	...	...	...	+ 18°587	+ 0°596	- 2	...	...	*	+ 28°345	+ 35°439	0°85	46.7829	10°0
...	+ 8°650	+ 18°784	- 4	...	...	...	+ 18°645	- 44°317	- 3	...	...	*	+ 28°378	+ 13°346	1°10	46.7830	9°2
...	+ 8°827	+ 24°484	- 5	...	...	...	+ 18°651	- 10°888	- 1	47.7527	10°2	...	+ 28°698	+ 2°491	- 5	m	...
...	+ 8°907	- 32°325	0°70	47.7524	10°0	...	+ 18°810	+ 41°346	- 5	...	...	...	+ 28°807	+ 50°261	- 2	...	...
...	+ 8°988	- 15°680	- 5	...	...	...	+ 18°835	- 7°658	- 1	...	...	S *	+ 29°055	- 48°945	1°75	47.7532	8°8
...	+ 9°048	+ 30°793	- 4	...	...	...	+ 19°083	- 1°254	- 5	...	...	...	+ 29°277	+ 13°313	- 5	m	...
271	+ 9°295	+ 38°526	- 3	...	...	331	+ 19°238	+ 58°446	- 4	...	...	...	+ 29°283	+ 18°514	- 3	...	...
...	+ 9°726	+ 43°886	- 5	m	...	...	+ 19°366	+ 38°769	0°90	46.7821	9°8	SN *	+ 29°309	+ 58°794	1°75	45.7780	8°8
...	+ 10°099	+ 18°878	- 3	...	...	...	+ 19°641	+ 37°842	- 5	m	...	*	+ 30°059	+ 38°147	1°00	46.7831	9°8
...	+ 10°149	+ 22°746	- 5	m	...	...	+ 19°981	+ 31°386	- 2	...	...	...	+ 30°185	+ 39°525	- 4	a	...
...	+ 10°396	- 45°630	- 1	...	...	...	+ 20°026	- 37°908	0°80	47.7529	9°8	...	+ 30°232	+ 23°286	- 4	...	...
...	+ 10°760	- 1°437	0°90	46.7816	9°8	...	+ 20°409	+ 44°403	- 5	...	...	...	+ 30°606	- 26°771	- 5	m	...
...	+ 11°037	+ 28°696	0°65	...	...	...	+ 20°890	+ 36°566	- 5	m	...	...	+ 30°668	- 6°541	- 3	...	...
...	+ 11°276	- 5°190	- 1	47.7525	10°2	...	+ 21°160	- 32°552	- 5	...	...	...	+ 30°718	- 26°553	- 3	...	...
...	+ 11°345	+ 31°808	- 5	m	...	...	+ 21°716	+ 39°036	- 5	m	...	...	+ 30°749	+ 37°533	0°75	...	...
...	+ 11°384	- 35°071	- 2	...	...	...	+ 21°839	- 22°142	- 5	...	...	...	+ 30°998	+ 42°699	- 4	a	...
281	+ 11°415	+ 36°979	0°65	...	...	341	+ 21°895	- 31°412	0°70	47.7530	10°1	...	+ 31°015	+ 42°450	- 3	...	...
...	+ 11°526	+ 7°377	- 5	...	...	...	+ 22°274	+ 24°995	0°95	46.7822	9°6	...	+ 31°216	- 49°643	- 4	...	...
...	+ 11°567	- 27°640	- 4	...	...	...	+ 22°398	+ 42°427	- 2	...	...	...	+ 31°332	+ 56°522	- 4	m	...
...	+ 11°787	+ 48°897	- 4	m	...	...	+ 22°443	+ 54°376	- 4	...	...	...	+ 31°575	- 20°575	- 4	a	...
...	+ 11°792	+ 45°426	0°65	...	...	...	+ 22°486	+ 50°678	- 3	...	...	...	+ 31°822	- 37°795	- 4	...	...
...	+ 11°808	+ 10°092	- 5	m	...	...	+ 22°649	- 31°058	- 5	...	...	...	+ 32°428	- 42°391	- 5	m	...
...	+ 11°991	+ 52°440	- 5	m	...	...	+ 22°721	+ 42°207	- 5	m	...	...	+ 32°543	- 17°816	0°65	...	...
...	+ 12°077	+ 37°226	0°70	46.7817	10°2	*	+ 22°738	- 7°481	1°00	47.7531	9°5	...	+ 32°709	- 46°995	- 4	...	...
...	+ 12°144	+ 11°873	- 5	m	...	...	+ 22°793	+ 4°070	- 3	...	...	...	+ 32°786	+ 6°743	0°80	...	...
...	+ 12°157	+ 49°565	- 5	m	...	...	+ 23°069	+ 6°701	- 3	...	...	...	+ 32°813	+ 43°374	- 2	...	...
291	+ 12°229	+ 16°767	- 5	m	...	351	+ 23°108	+ 53°182	- 5	m	...	...	+ 32°820	+ 42°792	- 4	a	...
...	+ 12°450	+ 53°363	- 4	...	...	...	+ 23°432	+ 58°738	- 3	...	...	...	+ 32°834	- 28°223	- 1	...	...
...	+ 12°545	- 49°267	- 5	m	...	...	+ 23°756	+ 59°261	- 5	m	...	...	+ 32°950	- 15°387	- 4	...	...
...	+ 12°744	+ 23°641	- 5	m	...	...	+ 23°938	- 19°774	- 5	...	...	...	+ 33°062	+ 31°954	- 3	...	...
...	+ 12°956	+ 39°610	- 2	...	...	...	+ 24°240	+ 16°543	- 3	...	...	...	+ 33°277	- 37°003	- 5	...	...
...	+ 13°058	+ 55°691	- 5	m	...	...	+ 24°420	+ 56°514	- 5	m	...	...	+ 33°460	- 11°296	- 4	...	...
...	+ 13°139	- 10°822	- 4	...	...	...	+ 24°552	+ 8°104	- 5	m	...	...	+ 33°512	- 30°599	- 5	m	...
...	+ 13°280	+ 14°072	- 4	...	...	*	+ 24°601	+ 13°734	0°90	46.7824	9°8	...	+ 33°660	- 34°468	- 4	...	...
...	+ 13°307	+ 2°922	- 2	...	...	*	+ 24°647	+ 26°939	1°05	46.7823	9°5	...	+ 33°991	+ 57°272	- 5	m	...
...	+ 13°424	+ 27°915	- 2	...	...	...	+ 24°695	+ 13°680	- 5	...	...	...	+ 34°045	+ 13°983	- 4	...	...

253, 254. 48°, 96, mass; 48°, 97, two star.

380. Brighter star. 46°, 97, mass.

392. Var. L=8°6-10°0.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
421-480																	
421	+34°417	-21°025	-4	o	...	...	+39°936	+ 0°278	-5	o	...	...	+46°826	+ 8°861	-5	o	m
*	34°487	-28°539	0°90	47.7533	9°8	...	39°968	-57°318	-1	...	...	...	47°294	+ 0°421	-5	m	...
...	34°490	-3°945	-3	...	...	...	40°136	+ 2°886	-2	...	...	...	47°424	- 0°534	-5	m	...
*	34°533	+19°354	1°00	46.7832	9°6	...	40°178	-24°230	-5	...	...	...	47°543	+ 26°882	-5	m	...
...	34°639	+ 5°820	-2	...	...	...	40°267	+ 42°556	-5	m	...	...	47°724	+ 0°933	0°75	...	...
†	+34°660	- 0°823	-3	...	...	...	+40°302	-42°916	-5	m	...	*	+47°819	+ 53°250	2°20	46.7837	7°9
...	34°850	-47°974	0°75	...	...	...	40°304	+ 31°735	-4	...	...	...	47°901	+ 16°098	-5	...	...
...	34°907	-43°473	-4	...	...	...	40°477	+ 45°698	-5	m	...	...	48°036	- 10°217	-2	...	...
...	35°267	-17°410	-3	...	...	...	41°083	-12°427	-5	...	...	S *	48°181	+ 11°442	1°65	46.7838	8°8
...	35°334	- 6°675	-5	...	...	...	41°122	+ 28°528	-4	...	...	...	48°364	+ 55°865	-5	...	...
431	+35°485	- 9°224	-3	...	...	491	+41°386	-42°530	-4	...	...	...	+48°455	+ 22°717	-3	...	...
...	35°561	+57°398	0°65	...	...	...	41°497	-27°484	-4	...	...	...	48°529	- 50°402	-2	...	...
...	35°651	-21°297	-5	...	...	...	41°499	+ 57°220	0°80	...	...	*	48°560	+ 0°887	0°80	46.7839	10°0
...	35°655	-17°546	-2	...	...	...	41°506	-17°285	-4	...	...	...	48°602	+ 35°710	-5	...	...
...	35°695	-25°791	-4	a	...	...	41°561	+ 11°881	-4	...	...	*	48°657	+ 1°771	0°80	46.7840	10°0
+	35°787	- 3°117	-3	...	...	...	+41°565	+ 37°025	-2	...	...	...	+48°781	+ 3°990	0°70	...	...
...	35°836	+46°880	-5	m	...	...	41°656	+ 35°954	-5	m	...	...	48°895	- 20°194	-5	...	...
...	35°895	+33°035	-2	...	...	...	41°852	+ 1°345	-5	m	...	...	48°983	+ 35°445	-3	...	...
...	36°110	+54°801	-4	a	...	...	41°899	-42°856	-5	...	...	...	49°234	+ 8°347	-2	...	...
...	36°220	+59°188	0°65	...	...	...	41°927	-24°568	-5	m	...	...	49°333	- 28°034	0°70	...	...
441	+36°253	+27°623	-5	m	...	501	+41°943	+ 7°544	-4	...	...	...	+49°460	- 8°794	-5	...	...
...	36°286	+29°557	-5	m	...	...	41°999	+ 23°453	-3	...	...	...	49°487	- 37°670	-2	...	...
...	36°407	+23°186	-5	m	...	...	42°184	+ 22°978	-5	m	...	...	49°505	- 10°598	-2	...	...
*	36°520	-58°230	0°90	47.7534	10°0	...	42°221	+ 18°111	-5	m	...	*	49°534	+ 1°553	1°00	46.7841	9°7
*	36°576	+ 6°616	1°00	46.7833	9°8	...	42°233	-25°972	-4	...	...	...	49°613	+ 3°733	-3	...	...
+	36°678	+23°312	-4	m	...	...	+42°377	- 7°608	-1	...	...	†	+49°646	+ 30°121	-4	...	...
...	36°745	-46°475	-3	...	...	...	42°477	+ 6°512	0°70	...	...	...	49°759	+ 7°159	0°65	...	...
...	37°218	+50°763	-4	...	...	...	42°565	-50°697	-5	...	...	...	49°797	+ 23°649	-5	m	...
...	37°229	+44°995	-2	...	...	...	42°826	-29°351	-3	...	...	...	49°864	- 11°729	0°70	...	...
...	37°332	-15°031	-3	...	...	...	42°840	- 6°917	-4	...	...	...	49°911	+ 12°520	-5	m	...
451	+37°520	+ 2°613	-4	...	...	511	+43°179	-34°103	-5	m	...	...	+49°921	- 11°703	-5	m	...
†	37°701	+29°909	-5	m	...	...	43°340	+ 39°093	-5	...	...	...	49°984	- 19°991	0°90	47.7539	10°0
...	37°739	-53°657	-4	...	...	...	43°587	+ 23°746	-5	m	...	*	50°439	+ 38°508	0°90	46.7842	10°0
...	37°789	+ 0°886	-5	m	...	...	43°702	-23°607	-5	...	...	...	50°459	+ 51°630	-5	m	...
...	37°827	+56°286	0°80	...	...	...	43°814	+ 51°847	-4	...	...	...	50°527	+ 39°343	-3	...	...
+	37°850	+32°061	-5	m	...	...	+43°894	+ 21°611	-5	m	...	...	+50°540	+ 49°103	-5	m	...
...	37°888	-45°140	-5	m	...	...	44°003	+ 51°160	-5	...	...	...	50°611	+ 1°016	-5	m	...
...	37°946	+ 5°274	-5	...	...	...	44°330	+ 42°393	0°65	...	...	...	50°612	+ 4°840	-5	m	...
†	38°088	+14°931	-5	m	...	...	44°401	+ 6°314	-5	...	...	...	50°681	+ 50°811	-1	...	...
...	38°117	+13°300	0°65	...	...	...	44°506	-11°824	-2	...	...	...	50°855	- 12°273	-4	a	...
461	+38°226	-22°309	0°65	...	...	521	+44°915	+ 39°416	-5	...	...	...	+50°940	- 5°632	-5	m	...
...	38°247	+52°947	-5	m	...	...	44°955	+ 33°970	-3	...	...	...	51°240	- 34°003	-5	m	...
...	38°265	+59°361	-5	...	...	...	45°072	+ 14°151	-2	...	...	...	51°286	- 19°529	0°70	...	...
...	38°270	-29°213	-2	...	...	...	45°103	-20°216	-5	...	...	...	51°749	- 14°388	0°80	...	...
...	38°315	+18°036	0°65	...	...	...	45°174	+ 10°268	-4	...	...	...	51°772	+ 38°791	-3	...	...
*	+38°331	-27°510	0°90	47.7536	10°0	...	+45°260	+ 47°126	-5	m	...	...	+51°868	- 21°190	-4	...	...
*	38°385	-38°908	0°90	47.7535	10°0	...	45°266	+ 22°720	-2	...	...	...	51°927	- 45°345	0°85	...	...
*	38°458	+35°895	1°00	46.7834	9°7	*	45°286	+ 37°926	1°00	46.7836	10°0	...	52°194	- 1°584	-3	a	...
...	38°515	+47°394	-5	m	...	...	45°362	+ 35°556	0°75	...	...	...	52°680	+ 53°313	-1	...	...
...	38°526	-15°022	-3	...	...	*	45°542	+ 28°936	0°85	...	...	...	52°704	+ 9°866	-5	m	...
471	*+38°597	+32°336	1°00	46.7835	9°4	...	+45°599	- 8°085	-4	...	...	...	+52°738	- 1°967	-5	m	...
...	38°696	-20°128	0°70	...	...	...	45°720	+ 2°132	-5	m	...	...	52°901	+ 47°508	-4	...	...
...	38°769	-59°393	-4	...	...	...	45°814	+ 6°917	-5	m	...	...	52°960	- 8°627	-5	m	...
...	38°902	-2°386	-1	...	...	...	46°144	-44°141	-5	...	...	...	52°962	- 19°651	-2	...	...
...	39°031	+34°029	-5	m	...	...	46°151	+ 26°498	-4	...	...	...	53°047	- 0°539	-3	z	...
...	+39°061	-55°183	-5	...	...	...	+46°487	+ 57°577	0°70	...	...	...	+53°076	+ 25°281	-5	m	...
...	39°070	+18°046	-4	...	...	...	46°530	+ 8°950	0°70	...	...	...	53°117	- 21°369	-5	...	...
...	39°104	+54°748	-1	...	...	...	46°666	+ 9°317	-2	...	...	...	53°141	- 46°162	-3	...	...
*	39°363	-22°888	0°90	47.7537	9°8	...	46°687	-15°210	-4	...	...	...	53°212	+ 14°184	-5	m	...
†	39°667	+25°176	-5	...	...	...	46°787	-31°523	-5	m	...	...	53°219	- 24°488	0°65	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
601-620																			
601	+53°266	-21°655	-4	o	...	...	+55°811	+5°151	-4	o	m	...	641	+58°270	+51°659	-4	o	...
...	53°375	-22°494	-4	...	...	...	55°814	-11°195	-4	a	...	...	...	58°367	-16°630	-5	...	...
...	53°380	+36°397	-5	m	...	...	55°922	+25°599	-2	...	...	...	...	58°441	+6°911	-4	m	...
...	53°407	+40°012	0°85	46.7843	10°0	...	55°952	-17°078	-5	m	...	...	...	58°541	-17°431	-3	...	...
...	53°442	-19°867	-4	...	...	*	55°992	-8°294	0°85	...	...	...	...	58°851	-21°592	-4	...	...
...	+53°544	+12°372	-5	m	...	...	+55°996	+28°526	-5	m	...	...	...	+59°085	+6°886	-4	m	...
...	53°733	+28°456	-5	m	...	...	56°237	+8°027	-4	m	...	...	...	59°216	+17°313	-1	...	...
*	53°860	-22°867	0°90	47.7541	10°0	...	56°297	+44°335	-4	...	...	...	...	...	...	...	...	...
...	53°983	+17°169	-4	m	...	*	56°320	-44°464	1°00	47.7545	9°6	...	...	...	...	...	...	...
*	54°145	-17°474	1°10	47.7542	9°5	...	56°765	-1°859	-4	...	...	...	...	...	...	...	...	...
611	+54°351	-57°644	-5	...	...	...	+56°797	+4°031	-5	m	...	...	...	...	...	...	...	...
*	54°374	-32°462	0°80	...	...	...	56°908	+24°633	-4	m	...	...	...	...	...	...	...	...
...	54°816	-34°735	-3	...	...	...	57°148	+21°827	-4	m	...	...	...	...	...	...	...	...
...	54°887	-16°795	-4	...	...	...	57°312	+34°395	-2	...	...	...	...	...	...	...	...	...
...	54°947	+36°690	-3	...	...	...	57°360	-14°685	-5	m	...	...	...	...	...	...	...	...
...	+55°053	+0°463	-5	m	...	...	+57°420	-25°623	-1	...	...	...	...	...	...	...	...	...
...	55°063	+30°487	-3	...	...	...	57°718	+29°231	-3	...	...	...	...	...	...	...	...	...
S *	55°382	--42°261	1°50	47.7543	9°0	S *	57°744	+44°228	3°00	46.7844	7°2
*	55°603	-36°559	1°00	47.7544	9°8	...	57°981	-0°537	-3	e
...	55°698	-30°526	-4	*	58°231	-45°924	1°30	47.7546	9°0

1-30						31-60						61-90					
I	-60°050	+6°239	-1	o	...	31	-52°833	+1°508	1°00	46.7841	9°7	61	-45°594	-42°106	1°50	47.7543	9°0
...	59°708	-7°872	-2	...	...	...	52°831	+3°692	-4	...	...	...	45°562	-36°402	0°85	47.7544	9°8
...	59°340	+42°172	-4	...	...	...	52°791	+7°117	-2	...	...	...	45°530	+29°434	-5	...	...
...	59°262	-7°187	-5	...	...	...	52°783	-20°251	-3	...	...	...	* 44°606	-44°270	1°10	47.7545	9°6
...	58°566	-29°603	-4	...	...	...	52°486	-10°632	-3	...	...	...	44°347	-0°311	-5	E	...
...	-58°433	+33°762	-5	...	...	...	-52°213	-50°469	-5	...	...	...	-44°107	-25°410	-4	...	...
...	58°228	+37°742	0°90	46.7836	10°0	...	52°104	-28°074	-1	...	...	...	43°926	+56°000	0°90	45.7800	10°0
...	58°092	+35°369	-2	...	...	...	52°083	-11°759	0°70	...	...	...	43°676	+17°566	-5	...	...
...	57°775	+22°526	-3	...	...	...	51°780	+38°789	-5	...	...	...	43°244	-17°188	-5	...	...
...	57°697	+28°762	0°85	...	...	...	51°699	-20°025	0°85	47.7539	10°0	...	* 42°645	-45°679	1°35	47.7546	9°0
II	-57°695	+13°952	-4	...	...	41	-51°637	-37°698	-4	...	...	71	-42°137	+7°541	-3	...	...
...	57°653	+57°410	-3	...	...	...	51°349	+53°346	-4	...	...	...	41°678	+59°307	1°00	45.7801	9°8
...	57°477	+10°077	-4	...	...	...	50°424	-19°514	0°65	...	...	...	41°501	+16°029	-2	...	...
...	57°448	-12°038	-4	...	...	†	50°196	+40°071	-1	46.7843	10°0	...	41°113	+27°752	0°70	46.7845	10°0
*	56°180	+53°139	2°50	46.7837	7°9	†	50°123	-14°354	0°65	...	...	...	41°024	+26°622	0°65	...	...
...	-56°075	+8°819	0°80	...	...	...	-48°973	-45°299	0°65	...	...	...	-40°391	+8°674	-5	...	...
...	55°959	+9°174	-2	...	...	...	48°738	-19°574	-4	...	...	...	40°088	-3°112	-5	...	...
†	55°156	-15°329	-5	...	...	...	48°344	-24°395	-1	...	...	...	40°027	+36°909	-3	46.7846	10°0
...	54°633	+0°821	0°75	...	...	...	48°240	+30°594	-5	...	...	*	39°750	-37°751	1°00	47.7547	9°4
...	54°615	+22°644	-4	...	...	...	47°749	-22°757	0°75	47.7541	10°0	...	39°641	+35°722	0°80	46.7847	10°0
21	S *	-54°509	+11°362	1°75	46.7838	8°8	51	-47°741	-46°067	-5	...	...	-39°440	-6°965	-4	...	...
...	54°472	+35°350	-4	...	...	*	47°632	-17°364	1°05	47.7542	9°5	N †	39°272	+54°692	-4	...	...
...	53°977	-10°305	-4	...	...	...	47°453	+44°487	-5	...	...	...	39°129	+18°483	0°65	...	...
...	53°791	+0°805	0°90	46.7839	10°0	...	47°223	+25°743	-4	...	...	...	39°018	+18°439	-3	...	...
...	53°727	+1°696	0°90	46.7840	10°0	...	46°927	-32°333	-1	...	...	...	39°009	-10°213	-5	...	...
...	-53°670	+3°913	0°75	...	...	...	-46°406	-34°584	-5	...	...	...	-38°992	+20°799	-3	...	...
...	53°626	+30°072	-4	...	...	...	46°102	+34°582	-4	...	...	...	38°778	+20°054	0°85	46.7848	10°0
...	53°362	+8°293	-2	...	...	...	46°070	-8°126	-1	...	...	...	38°236	-31°682	-4	...	...
...	53°246	+50°781	-4	...	...	S *	45°971	+44°419	3°10	46.7844	7°2	...	37°667	-41°483	-4	...	...
...	53°099	+38°469	-1	46.7842	10°0	...	45°711	+51°867	-5	...	...	*	37°594	+28°390	1°00	46.7849	9°6

MC measured from I, 77, 143, 202, 264.

ES " 45, 111, 172, 231, 303.

82. Difficult to measure.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
91-150																	
91	-36.891	+30.416	-5	o	...	151	-16.390	+ 6.174	1.40	46.7856	9.2	211	+ 6.459	+ 8.910	-3	o	...
*	36.171	- 5.399	1.00	47.7549	9.4	*	16.132	+ 16.900	1.20	46.7857	9.4	...	6.622	+ 32.273	-3	...	...
...	35.945	+ 11.269	-2	...	...	...	15.919	-26.369	-5	A	...	*	6.781	- 48.679	1.10	47.7565	9.5
*	35.428	+ 2.880	1.00	46.7850	9.8	...	15.859	-16.166	-4	...	...	...	7.136	- 44.494	-2	...	...
...	35.362	- 11.269	-4	...	...	...	15.858	- 0.320	0.90	46.7858	10.0	†	7.276	+ 14.711	-4	...	...
...	-34.965	+ 8.283	-2	...	...	...	15.853	-37.221	-2	...	...	...	+ 7.972	+ 26.850	-1	46.7867	9.8
...	34.373	+ 22.160	-4	...	...	S*	15.769	- 9.422	1.65	47.7556	8.8	...	8.611	- 54.714	-5	m	...
...	34.329	+ 27.793	-5	...	...	...	15.607	+ 40.823	-4	...	...	...	10.009	- 50.001	-3	...	...
...	34.309	+ 58.621	-3	...	...	†	15.289	+ 8.065	-5	...	...	*	10.489	+ 21.498	0.95	46.7868	9.7
...	34.300	- 50.903	-5	...	...	...	14.436	+ 31.964	-2	...	...	S*	10.668	+ 27.897	1.00	46.7869	9.4
101	-33.764	- 10.408	-4	...	...	161	-14.378	+ 34.061	-4	...	...	...	+ 11.393	+ 45.067	-5	...	...
...	33.741	- 35.357	-4	...	...	...	13.985	+ 25.816	-5	...	...	...	11.403	- 43.231	-4	...	...
...	32.400	- 41.692	0.85	...	...	...	13.673	+ 6.572	-5	...	...	...	11.724	+ 16.067	-4	...	...
*	31.930	- 14.512	1.00	47.7551	9.4	...	13.585	- 26.591	-2	...	...	...	11.748	+ 1.021	-5	...	...
...	31.734	- 42.293	-3	...	...	...	12.185	- 48.438	-5	...	...	...	12.735	- 52.045	-4	...	...
...	-31.668	+ 25.185	-5	...	...	*	-11.652	- 54.305	1.10	47.7557	9.7	...	+ 12.861	- 17.373	-4	...	...
...	31.446	+ 21.236	-3	...	...	...	11.332	- 44.848	-1	47.7558	10.0	...	13.177	- 43.047	0.95	47.7566	10.0
...	30.629	+ 14.501	-1	...	...	...	10.899	- 25.594	-3	...	...	...	13.621	+ 35.195	-4	...	...
...	30.607	+ 25.951	-5	...	...	...	10.422	- 2.132	-3	...	...	...	13.946	+ 34.870	-3	...	...
*	30.322	+ 35.226	1.00	46.7851	9.4	†	10.307	+ 1.790	-3	...	...	...	14.573	- 40.232	-5	a	...
111	-29.958	+ 5.849	-5	...	...	171	-10.277	- 15.287	1.30	47.7559	9.4	231	+ 14.813	+ 15.107	-5	...	...
n	29.957	+ 56.242	0.90	45.7808	9.4	S*	9.438	+ 6.255	1.40	46.7859	9.0	...	14.852	+ 35.043	-2	...	...
...	29.914	+ 0.742	-3	...	...	*	8.816	+ 23.394	1.10	46.7860	9.4	*	15.006	+ 17.697	1.00	46.7870	9.5
n	29.880	+ 56.143	0.80	45.7808	9.4	...	8.778	+ 49.333	-5	...	...	...	15.352	- 58.135	1.00	47.7567	9.8
...	29.876	- 17.933	-3	...	...	...	8.312	+ 18.082	-4	...	...	...	15.366	- 46.891	-5	...	...
...	-29.651	+ 28.274	-5	...	...	...	7.893	+ 42.667	-5	...	...	...	+ 15.769	- 53.530	0.75	47.7568	10.0
...	29.481	- 37.149	-5	...	...	...	7.758	- 17.160	-5	...	...	...	15.850	- 31.561	-4	...	...
...	28.112	+ 30.803	-5	...	...	...	7.475	- 51.132	-3	...	...	*	15.874	- 29.989	1.15	47.7569	9.5
...	28.038	+ 4.018	-5	...	...	...	7.435	- 42.674	-2	...	...	...	16.087	+ 28.947	-5	...	...
...	26.515	- 31.173	-5	...	...	...	6.969	- 57.427	-4	...	...	...	16.170	- 12.801	-2	...	...
121	-26.332	- 1.018	0.70	...	...	181	- 6.256	+ 1.522	-5	...	...	...	+ 16.796	+ 10.441	-5	...	...
...	26.310	- 19.882	-3	...	...	...	6.192	+ 19.165	-3	...	...	...	17.319	- 31.919	-5	...	...
...	25.797	- 1.170	-3	...	...	...	5.983	+ 37.616	-3	...	...	...	17.471	+ 22.348	-3	...	...
†	25.753	+ 44.635	-5	...	...	...	5.979	+ 50.911	-5	...	...	...	17.929	- 25.936	-5	...	...
*	25.476	- 5.895	1.15	47.7552	9.3	...	5.035	- 38.428	-5	...	...	...	18.140	+ 9.218	-5	...	...
...	-25.404	+ 29.477	-5	...	...	...	4.805	+ 37.092	-2	...	...	...	+ 18.393	- 55.211	1.00	47.7570	9.7
...	24.485	- 21.534	-5	...	...	...	4.719	+ 56.293	-4	...	...	...	18.408	- 29.653	-3	...	...
...	24.165	+ 51.915	-5	...	...	*	4.634	+ 9.874	1.50	46.7861	9.0	...	18.972	+ 6.368	-5	...	...
*	23.704	+ 20.393	1.35	46.7852	9.0	...	4.502	+ 0.366	-5	α m	...	S*	19.340	- 47.077	1.10	47.7571	9.4
...	23.695	- 35.041	-5	...	...	...	4.470	+ 17.159	0.85	46.7862	9.8	...	19.425	- 18.175	-5	...	...
131	-23.478	+ 26.418	-1	...	...	191	- 4.130	- 9.555	-5	m	...	...	+ 19.951	- 54.620	0.75	47.7572	10.0
†	23.278	+ 34.745	-5	...	...	...	4.104	+ 47.810	-1	...	...	...	20.813	- 24.525	-5	...	...
...	23.187	+ 52.337	-5	...	...	...	4.080	- 38.634	1.00	47.7560	9.5	...	21.663	- 23.868	-5	...	...
...	22.903	- 52.019	-5	...	...	...	3.804	+ 27.919	-1	46.7863	10.0	...	22.427	+ 39.485	-5	...	...
...	22.755	- 15.512	-5	...	...	*	3.345	+ 30.816	0.95	46.7864	9.7	...	23.508	- 2.657	0.95	46.7871	10.0
...	-21.901	+ 13.899	-5	...	...	...	3.253	- 26.641	-5	...	...	...	+ 25.383	- 48.453	-2	...	...
...	21.701	+ 41.177	0.65	46.7853	10.0	...	2.781	- 24.055	-3	...	...	...	26.313	- 9.230	-5	...	...
...	21.679	+ 2.246	-4	...	...	...	2.699	+ 18.439	-5	...	...	...	27.306	+ 14.626	-4	...	...
...	20.949	- 12.454	-2	...	...	...	2.037	- 59.311	0.90	47.7561	10.0	...	27.553	- 43.292	-4	...	...
...	20.865	- 14.591	-4	...	...	...	1.812	+ 29.296	-5	M	...	...	27.866	+ 13.237	-1	...	...
141	-20.748	+ 54.058	0.90	46.7854	10.0	...	0.865	+ 5.237	0.75	46.7865	10.0	...	+ 27.929	- 26.613	0.85	47.7573	10.0
S+	20.295	+ 44.406	1.75	46.7855	8.5	...	+ 0.077	- 42.234	0.85	47.7562	10.0	...	28.676	+ 1.606	-4	...	...
S*	19.995	- 38.918	1.60	47.7553	8.8	...	0.278	- 46.058	-5	m	...	...	28.946	+ 13.783	-5	...	...
*	19.093	- 36.627	1.00	47.7554	9.7	...	0.764	- 44.694	-5	m	...	...	29.948	- 53.735	-5	...	...
...	18.797	+ 32.432	-2	...	...	...	2.541	+ 52.093	-4	...	...	*	30.546	- 7.167	4.80	47.7574	6.0
...	-18.167	+ 3.239	-2	...	...	...	+ 3.159	+ 20.244	0.75	46.7866	9.8	...	+ 30.678	- 22.644	-4	...	...
...	18.013	- 1.463	-5	...	...	...	3.627	- 59.739	-5	m	...	...	31.365	- 24.795	-5	...	...
...	17.452	+ 50.285	-4	...	...	...	4.182	- 28.404	-5	Am	...	*	31.762	- 29.195	1.10	47.7576	9.4
*	17.011	- 46.483	1.20	47.7555	9.5	...	4.812	- 45.876	-5	m	...	...	31.857	- 12.589	0.95	47.7575	9.7
...	16.443	+ 13.841	-3	...	...	...	5.422	- 32.417	-4	...	...	...	31.962	+ 16.577	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.	
	271-300						301-330						331-338					
271	+32°191	-57°224	-1	47.7577	10°0	301	+44°388	-24°094	0°90	47.7586	10°0	331	+56°118	-56°812	-5	...	...
...	32°414	-48°432	-1	47.7578	9°8	...	44°493	-27°695	-2	...	...	...	57°539	+34°250	-5	e	...
...	32°972	-33°118	-2	...	...	...	44°997	-26°999	-3	...	...	...	57°731	-26°443	-5	...	...
*	33°419	-12°527	0°90	47.7579	10°0	...	45°727	-50°427	-5	e	...	...	58°235	+16°977	-5	...	...
...	33°500	+15°622	-4	...	...	...	46°051	-12°971	-2	...	...	...	58°560	+2°109	-5	...	...
...	+33°706	-36°587	-3	...	...	...	+46°841	-8°432	0°90	47.7587	9°8	...	+59°239	+52°941	-5	...	...
...	34°385	+8°590	-1	...	...	...	47°256	-11°538	-5	...	...	...	59°461	-8°447	0°80	47.7591	10°0
...	36°215	-38°187	-1	...	...	...	47°667	-36°080	-5	...	...	†	59°525	+36°154	0°90	46.7875	9°8
6*	36°395	-19°514	2°00	47.7580	8°1	...	48°097	+28°949	-5	...	...	...	...	...	...	...	...
...	36°455	-38°954	-3	...	...	...	48°111	-40°199	1°30	47.7588	9°3	...	...	...	...	...	...
281	311						311						311					
...	+37°045	+59°410	-4	...	...	...	+48°872	-21°875	-1	...	...	...	...	...	...	...	...
...	37°341	-10°671	-4	...	...	Se*	49°045	-0°469	2°30	46.7873	7°9	...	...	...	...	...	...
...	37°824	-16°864	-3	...	...	...	49°346	-25°510	-2	...	...	...	...	...	...	...	...
*	38°002	-41°094	1°20	47.7582	9°6	...	50°140	-32°420	-5	...	...	...	...	...	...	...	...
...	38°152	-22°165	-1	47.7581	10°0	...	50°436	-23°747	-4	e	...	...	...	...	...	...	...
...	+38°360	-10°443	-5	...	...	...	+50°576	+20°981	-5	...	...	...	...	...	...	...	...
...	38°428	-45°380	0°90	47.7583	10°0	...	50°750	+34°248	-4	...	...	...	...	...	...	...	...
...	39°020	-23°343	-4	...	...	...	51°658	-41°739	1°05	47.7589	9°8	...	...	...	...	...	...
...	39°688	+9°110	-5	...	...	...	52°216	+10°168	-5	...	...	...	...	...	...	...	...
*	40°300	-28°173	1°00	47.7584	9°7	...	52°342	-53°618	-5	...	...	...	...	...	...	...	...
291	321						321						321					
...	+40°322	-41°143	-5	...	...	...	+53°129	+5°791	-5	...	...	...	...	...	...	...	...
...	40°350	-2°400	-4	...	...	...	53°597	+8°518	-5	...	...	...	...	...	...	...	...
...	41°772	-29°952	-5	...	...	...	54°677	-1°505	-1	...	...	...	...	...	...	...	...
...	41°840	-13°343	-4	...	...	...	54°793	-54°171	0°80	47.7590	10°0	...	...	...	...	...	...
...	42°206	+10°889	-4	...	...	...	55°055	-34°989	-5	...	...	...	...	...	...	...	...
...	+42°266	-3°924	-4	...	...	*	+55°190	+27°548	1°10	46.7874	9°0	...	...	...	...	...	...
+	42°327	-30°093	1°00	47.7585	9°5	...	55°429	+27°465	1°00	46.7874	9°0	...	...	...	...	...	...
...	42°427	-8°015	-4	...	...	...	55°541	-10°682	-5	e	...	...	...	...	...	...	...
...	43°020	-36°414	-3	...	...	...	55°805	+40°173	-4	...	...	...	...	...	...	...	...
*	43°806	+16°448	1°00	46.7872	9°5	...	55°852	+29°858	-5	...	...	...	...	...	...	...	...

1-20						21-40						41-60							
I	,	,	,	,	,	21	,	,	,	M	,	41	,	,	,	,	,		
...	-59°639	-8°280	-4	°	...	...	-55°377	-43°024	-4	°	...	...	-51°675	+14°399	-3	...	...
...	59°607	-30°220	-4	...	...	*	55°219	-8°562	1°00	47.7587	9°8	...	51°231	-21°972	-5	M	...
...	59°281	-12°215	-5	M	...	...	55°168	-16°680	-3	...	...	...	51°157	-32°423	-3	...	...
*	59°049	+16°198	1°10	46.7872	9°5	...	55°150	+28°829	-2	...	...	...	51°132	-23°749	-3	E	...
*	59°048	-30°357	1°15	47.7585	9°5	†	54°965	-50°586	-3	E	...	...	50°845	-10°721	-5	M	...
...	-58°480	-17°510	-5	M	...	...	54°819	-51°943	-5	M	...	...	50°838	-28°993	-5	M	...
...	58°157	-43°709	-5	M	...	...	54°706	-11°649	-3	...	...	...	50°448	+10°204	-3	...	...
...	58°136	-36°662	0°70	...	...	...	54°685	-21°249	-5	M	...	...	50°182	-7°203	-3	...	...
*	57°187	-24°300	1°05	47.7586	10°0	...	54°384	-6°977	-5	M	...	...	49°978	-6°552	-4	M	...
...	56°961	-27°888	0°65	...	...	...	53°987	+47°906	-5	M	...	...	49°813	-29°508	-2	...	...
II	31						31						51	31					
...	-56°627	-30°387	-5	M	...	...	-53°513	-36°169	-1	...	...	...	-49°810	-37°791	-5	M	...
...	56°463	-27°181	-1	...	...	SE*	53°263	-0°533	2°40	46.7873	7°9	...	49°647	-27°311	-3	...	...
...	56°383	+28°213	-4	...	...	*	52°931	-40°270	1°30	47.7588	9°3	...	49°517	+35°117	-4	...	...
...	56°312	-12°707	-5	M	...	...	52°907	-14°180	-5	M	...	...	49°402	+5°853	-2	...	...
...	56°308	-10°539	-5	M	...	...	52°769	-21°927	0°75	...	...	...	49°381	-8°234	-5	M	...
...	-56°210	-35°796	-5	M	...	...	-52°680	+34°218	-2	...	...	*	-49°344	-41°684	1°00	47.7589	9°8
...	56°073	-35°943	-5	M	...	...	52°430	+20°959	-3	...	...	...	49°206	+19°386	-4	...	...
...	55°861	-13°120	0°65	...	...	...	52°173	-25°549	0°70	...	...	...	49°024	+8°596	-2	...	...
...	55°590	-39°064	-5	M	...	...	52°029	+49°674	-5	...	...	...	48°794	-25°833	-3	B	...
...	55°589	-12°373	-5	M	...	...	51°707	+58°294	-5	...	...	...	48°610	-7°547	-4	M	...

ES measured from 1, 141, 263, 399, 534, 677, 841, 1003, 1210, 1413, 1587.
MC , , 50, 196, 326, 472, 601, 760, 917, 1101, 1306, 1503, 1657.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
61-120																			
61	-48.269	-53.537	-3	o			121	-41.381	-2.642	-2	o		181	-35.943	+19.021	-4	o		
...	48.126	-16.542	-4	M			...	41.261	-35.599	-1			...	35.923	-16.193	-5	M		
...	48.112	+21.946	-4				...	41.193	+26.366	-3			...	* 35.778	-16.165	0.95	47.7595	9.7	
n*	48.032	+27.655	1.10	46.7874	9.0		...	41.182	-42.165	-2			...	35.654	+56.142	-5			
...	47.861	+41.309	-5				...	41.163	-39.863	0.90			...	* 35.620	+12.489	1.05	46.7881	9.4	
...	-47.851	+47.372	-5				...	-40.958	-2.891	-5	M		...	-35.614	-50.121	0.65			
...	47.810	+40.296	-1				...	40.949	-53.611	-5	M		...	35.570	-42.613	-5	M		
n*	47.796	+27.584	0.95	46.7874	9.0		...	40.921	-1.525	-5	M		...	* 35.536	+50.457	1.10	46.7882	9.4	
...	47.743	+13.621	-5				...	40.711	+47.592	1.80	46.7878	8.6	...	35.514	-29.546	-5	M		
...	47.692	-31.369	-3	B			...	40.694	-56.123	-2	A		...	35.503	+29.288	-5			
71	* -47.604	-1.387	0.90				131	-40.673	-55.952	-4	M		191	-35.435	-0.991	-2			
...	47.582	+18.404	-3				...	40.672	-30.658	-4	M		...	35.343	-20.314	-4	M		
†	47.460	+30.002	-4				...	40.531	+5.855	-5	M		...	35.283	+27.819	-4			
...	47.144	-21.051	-4	M			...	40.496	+41.835	-4			...	35.048	-18.110	-5	M		
...	46.658	-36.663	-4	M			...	40.438	+27.824	-3			...	35.009	-1.820	-5	M		
...	-46.649	+1.052	-5	M			...	-40.299	-36.772	-4	M		...	-34.861	-46.185	-3			
...	46.623	+43.611	-2				...	40.196	-21.529	1.00	47.7592	9.5	...	34.802	+1.285	-5	M		
...	46.584	-24.757	-4	M			...	40.177	+6.605	-3			...	34.706	-29.077	-5	M		
...	46.452	-10.539	-3	E			...	40.133	+21.925	-4			...	34.705	-55.587	-1			
...	46.325	-21.555	-4	M			...	40.063	-30.912	-3	A		...	34.698	+15.257	-5	M		
81	* 46.159	-34.839	-3				141	-39.776	-21.903	-5	M		201	-34.656	+58.983	1.00	45.7848	10.0	
...	45.885	+34.433	-2				...	39.602	-7.331	-3			...	34.649	-16.108	-3			
...	45.800	-54.008	0.95	47.7590	10.0		...	39.424	+37.474	-2			...	34.520	+3.956	-5	M		
...	45.771	-39.518	-5	M			...	39.161	-36.842	0.90	47.7593	10.0	...	34.501	-38.755	-5	M		
...	45.760	+58.043	-4				...	39.135	+11.443	-1			...	34.475	+41.788	-4			
...	-45.674	+6.799	-4	A			...	-39.058	+50.107	-5			...	-34.408	+14.879	-5			
...	44.785	+53.176	-1				...	39.051	+3.584	-4			...	34.399	+16.106	-3			
...	44.650	+17.207	-2				...	39.039	-4.889	-2			...	* 33.821	+10.103	0.90	46.7883	10.0	
...	44.509	+20.678	-3				...	38.959	+31.306	-5			...	33.748	+37.995	-3			
...	44.486	-27.412	-5	M			...	38.897	+27.760	1.10	46.7879	9.4	...	33.708	+19.117	-5			
91	* -44.411	-56.618	-2				151	-38.863	+59.369	0.95	45.7846	10.0	211	-33.594	+28.538	-4			
...	43.964	+36.416	1.00	46.7875	9.8		...	38.666	-2.967	-1			...	33.541	-50.412	-5	M		
...	43.924	+21.377	-5	M			...	38.608	-46.413	-2			...	33.506	-29.353	-4	M		
...	43.921	+41.601	-3				...	38.247	-22.354	-5	M		...	33.493	+44.694	-2			
...	43.839	+2.355	-3				...	38.201	-21.340	-5	M		...	33.434	-3.955	-4	M		
...	-43.824	+38.067	-3				...	-38.155	+20.357	0.90	46.7880	10.0	...	-33.317	+0.024	0.70			
...	43.793	-41.072	-4	B			...	38.127	+25.676	-5			...	33.285	+42.981	-3			
...	43.779	-26.210	-3	E			...	38.077	-12.363	-1			...	33.216	+21.530	-3			
†	43.405	-29.910	-5	M			...	37.912	-19.313	-5	M		...	33.169	+47.162	-4			
...	43.378	+58.325	-4				...	37.890	+12.496	-5			...	* 33.018	+21.851	0.80			
101	-43.307	-37.793	-3	B			161	-37.846	+23.781	-3			221	-32.999	-51.136	-4	A		
...	43.158	+28.749	-3				...	37.793	-32.065	-3			...	32.939	-27.780	-4	M		
...	42.862	+45.504	-3				...	37.661	+27.179	-2			...	32.934	-38.078	-4	A		
...	42.655	-0.796	-2				...	37.584	+18.708	-5			...	* 32.836	-47.026	1.00	47.7596	9.4	
...	42.609	-20.206	-5	M			...	37.497	+3.341	-5	M		...	32.825	-2.262	-5	M		
*	-42.602	-8.166	0.90	47.7591	10.0		...	-37.367	+45.794	-5			...	-32.797	-25.420	-5	M		
...	42.538	-55.947	-5	M			...	37.296	+30.279	-4			...	32.771	+47.996	0.80			
...	42.506	-28.114	-5	M			...	37.095	-37.189	-5	M		...	32.523	-7.463	-4	M		
...	42.144	-51.270	-3				...	36.905	-27.833	-5	M		...	32.414	+0.565	0.80			
...	42.112	-56.101	-4	B			...	36.871	-45.387	-4	A		...	32.153	-11.069	0.65			
III	-42.107	+45.149	-4				171	-36.785	-55.733	1.00	47.7594	10.0	231	-31.982	-51.036	-1			
...	42.096	-44.311	-3				...	36.772	-57.984	-5	M		...	31.966	+10.003	0.90	46.7884	10.0	
*	42.005	+0.730	1.00	46.7876	10.0		...	36.602	+0.953	-2			...	31.882	-46.936	1.20	47.7597	9.2	
...	42.002	-35.755	-4	B			...	36.400	-47.240	-1			...	31.793	-38.458	-5	M		
...	41.965	-50.519	-3				...	36.389	+32.274	-5			...	31.588	+34.142	-4			
...	-41.894	+29.690	-4	B			...	-36.386	-58.451	-4	A		...	-31.574	+35.362	-5			
...	41.812	-20.318	-4	M			...	36.370	-0.700	-5	M		...	31.467	+25.826	-4			
...	41.775	+30.789	-3				...	36.365	-34.721	-4	M		...	31.306	+59.559	-5			
*	41.593	+39.304	0.90	46.7877	10.0		...	36.223	+19.057	-4			...	31.268	-55.034	-3	B		
...	41.544	+55.665	-4				...	36.055	-58.616	-4	A		...	31.265	+14.850	-4			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
241-300																			
241	-31°201	+3°833	0°70	°	...	...	301	-26°714	-28°864	-5	° M	...	361	-22°705	+46°905	-5	° M	...
...	31°171	-33°908	-1	...	...	...	...	26°674	-41°206	-4	A	...	...	22°624	+17°209	-5	...	...
*	31°141	-26°667	0°95	47.7598	10°0	...	...	26°616	-47°176	-1	...	...	*	22°613	+27°826	1°00	46.7894	9°6
*	31°081	+35°761	1°50	46.7885	8°8	*	...	26°464	+31°857	1°30	46.7889	9°0	...	22°452	+22°522	-5	...	...
...	31°048	-18°309	-5	M	...	...	...	26°327	-49°955	-2	...	...	...	22°402	+22°314	-4	...	...
...	-31°034	-15°927	-5	M	...	...	...	26°267	-27°520	-5	M	...	...	-22°381	+47°135	-5	M	...
...	30°972	-2°854	-5	M	...	...	...	26°263	-16°222	-5	M	...	...	22°217	-37°338	-4	A	...
...	30°927	-17°096	-5	M	...	...	...	26°236	-48°766	-4	...	...	...	22°202	+8°019	0°65	...	...
...	30°758	+50°432	-3	...	...	...	...	26°223	-2°736	-5	M	...	...	22°167	+31°353	-2	...	...
...	30°642	+20°946	-4	...	...	...	...	26°095	+47°028	-3	...	...	...	22°036	+21°305	-3	...	...
251	-30°636	-27°670	-1	...	...	...	311	-25°973	-41°435	-3	A	...	371	-22°026	+6°602	-4	...	...
...	30°523	+19°595	-5	...	...	...	...	25°947	+58°756	0°80	...	...	...	22°014	+49°946	-1	...	...
...	30°459	-8°275	0°75	...	...	...	...	25°859	-23°522	-5	M	...	...	22°003	+39°846	0°85	46.7895	10°0
...	30°458	-45°326	-4	A	...	...	...	25°851	+39°974	0°75	...	...	...	21°988	-9°460	0°95	47.7608	9°8
...	30°444	-32°950	-3	...	...	*	...	25°614	+58°898	1°80	45.7857	8°8	*	21°862	-59°048	0°95	...	...
...	-30°251	+18°622	-5	M	...	...	...	25°586	+49°982	-3	...	...	...	-21°814	-6°326	-4	M	...
...	30°226	-20°842	-4	M	...	...	...	25°531	+15°903	-5	...	...	*	21°804	-40°975	0°90	...	...
...	30°191	+13°968	-1	...	...	*	...	25°440	+20°488	0°80	46.7892	9°8	*	21°703	+15°662	0°95	46.7896	9°6
*	30°174	+42°657	0°90	...	...	*	...	25°288	+1°115	1°15	46.7890	9°2	...	21°525	+39°259	-4	...	...
...	30°172	-55°069	-5	M	...	...	...	25°285	-25°700	-5	M	...	...	21°478	-1°618	-5	M	...
261	-30°098	-48°634	-3	...	...	...	321	-25°238	-15°331	-5	M	...	381	-21°424	-28°936	-4	M	...
†	30°017	-17°666	1°30	47.7601	9°0	...	...	25°237	+7°198	-5	...	...	...	21°404	-26°053	-3	...	...
...	29°892	-29°946	-5	M	...	*	...	25°180	+1°431	2°40	46.7891	7°9	*	21°269	-0°439	1°70	46.7897	18°8	
...	29°880	-15°299	-5	M	...	...	...	25°098	+12°228	-5	...	...	...	21°222	+6°550	-4	...	...
...	29°571	-39°762	-5	M	...	...	...	25°075	+24°371	-2	...	...	...	21°119	+5°025	-4	...	...
*	-29°523	+37°216	0°85	46.7886	10°0	...	...	24°878	-36°381	-5	M	...	...	-20°966	-49°599	-4	B	...
...	29°508	+9°533	-5	...	...	...	...	24°715	+13°141	-2	...	...	...	20°945	+55°254	-5	...	...
...	29°506	-3°322	-5	M	...	...	...	24°697	-12°479	-4	M	...	...	20°945	+41°170	-5	...	...
...	29°418	-35°242	-5	M	...	...	...	24°684	+16°860	0°75	...	...	...	20°859	+51°194	-1	...	...
...	29°411	-19°658	-4	...	...	...	...	24°627	+45°570	-4	...	...	S *	20°734	+53°591	2°30	46.7899	7°8
271	*	-29°374	-36°435	1°00	47.7602	9°8	...	331	-24°598	-33°257	-3	391	-20°674	-38°028	-3	A	...
...	29°291	+36°859	-5	...	...	*	...	24°537	+42°793	1°00	46.7893	9°6	...	20°615	-12°881	0°80	...	...
...	29°152	+19°664	-2	...	...	...	...	24°482	-33°490	-3	...	...	...	20°558	+20°893	0°80	46.7898	10°0
†	29°030	+10°083	-1	...	...	...	...	24°476	+42°445	-5	...	...	...	20°530	+18°538	-4	...	...
...	28°871	+3°709	-2	...	...	...	...	24°438	-53°664	-4	B	...	...	20°464	-33°681	-5	M	...
...	-28°858	+28°639	-2	46.7888	10°0	...	...	24°412	-31°957	0°65	...	...	*	-20°287	-24°278	1°00	47.7609	19°4
*	28°786	+9°450	1°05	46.7887	9°7	*	...	24°394	-55°560	1°00	...	...	...	20°061	-4°355	-5	M	...
...	28°611	-25°102	-5	M	...	...	...	24°356	-3°112	-4	M	...	...	20°024	+48°434	-4	...	...
...	28°383	+46°258	-5	...	...	*	...	24°346	+1°617	0°90	...	...	...	20°012	-57°801	1°35	47.7610	9°0
...	28°257	-32°167	-5	M	...	...	...	24°328	-28°135	-4	M	...	...	19°976	-29°264	-3	...	...
281	-28°248	-5°710	-4	M	...	†	341	-24°215	-4°899	-3	...	...	401	-19°876	+5°909	-5	...	...
...	28°180	-50°245	-3	A	...	...	...	24°091	+17°342	-5	...	...	...	19°824	-13°527	-3	...	...
...	28°175	+13°615	-5	...	...	...	...	24°064	-56°558	-2	...	...	...	19°808	+43°430	-5	...	...
...	28°134	-47°010	-5	M	...	...	...	24°008	+39°647	-5	...	...	...	19°804	+14°102	-1	...	...
...	28°056	-40°282	-3	...	...	†	...	23°902	+9°979	-3	...	...	...	19°606	+43°075	-5	...	...
...	-27°976	+21°545	-5	M	...	...	...	23°884	-22°383	-2	...	...	...	-19°533	-8°390	-4	...	...
...	27°954	+19°430	-5	...	...	...	...	23°850	+38°028	-4	...	...	...	19°471	+29°437	-4	...	...
...	27°912	+34°289	-5	...	...	...	...	23°784	+50°936	-4	...	...	*	19°313	+45°171	0°80	...	...
...	27°878	-47°958	-5	M	...	...	...	23°731	+57°835	-1	...	...	...	19°230	-10°749	-3	...	...
...	27°791	+59°133	-1	...	...	...	...	23°721	+46°355	-5	...	...	...	19°219	+36°944	-3	...	...
291	-27°774	-2°047	-4	...	...	...	351	-23°688	+38°879	-3	...	...	411	-19°011	-37°784	-5	M	...
...	27°512	-38°098	-4	A	...	...	...	23°532	+3°688	-5	...	...	...	18°892	-42°049	-5	M	...
...	27°384	-34°407	-5	M	...	...	...	23°460	+9°837	-4	...	...	...	18°829	-37°764	-5	M	...
...	27°233	+43°122	-5	M	...	...	...	23°425	+27°225	-4	...	...	...	18°751	-10°667	-5	M	...
†	27°134	-39°842	0°85	47.7604	10°0	*	...	23°415	-41°945	0°90	47.7606	10°0	...	18°703	+55°292	-5	A	...	
...	-27°092	-44°647	-5	M	...	...	...	23°379	+41°417	-4	...	...	...	-18°569	+43°283	-2	...	...
...	27°077	+6°707	-5	...	...	...	...	23°275	-12°117	-5	M	...	...	18°525	-2°724	-5	M	...
...	27°003	-56°206	0°80	...	...	...	...	23°098	+41°366	-5	...	...	*	18°373	-0°248	0°85	46.7900	10°0
*	26°911	-29°679	1°00	47.7605	9°6	*	...	22°990	-47°005	1°00	47.7607	9°8	...	18°347	-57°707	0°75	...	...
...	26°816	-32°965	-5	M	...	...	...	22°822	-44°184	-5	M	...	...	18°334	-4°677	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
421-480																		
42 ^I	-18.306	-39.583	-5	M	...	48 ^I	-14.197	-41.968	-2	A	...	54 ^I	-9.849	-20.926	0.95	47.7618	10.0	
...	18.230	-38.408	-2	...	...	...	14.072	-48.043	-4	M	...	...	9.762	-35.911	0.90	47.7620	9.8
...	18.209	-23.104	-5	M	...	...	14.057	+54.689	-4	...	...	...	9.743	+40.986	-5	...	...
*	18.168	+9.036	1.15	46.7901	9.4	...	13.903	-20.508	-4	M	...	...	9.550	-23.161	-3	...	...
...	18.046	+31.521	-5	M	...	...	13.835	-38.821	-4	B	...	...	9.417	-0.346	-3	...	...
...	-17.828	+53.610	-5	...	...	...	-13.761	-38.252	-3	A	...	...	-9.381	-37.796	-5	M m	...
...	17.738	-1.452	-2	...	...	...	13.748	+1.750	0.65	...	...	*	9.349	+30.061	1.00	46.7911	9.6
...	17.698	+38.899	-3	...	...	*	13.635	+13.977	1.20	46.7905	9.3	...	9.324	+47.481	0.65	...	...
...	17.673	-27.435	-2	...	...	...	13.559	-14.532	-4	M	...	...	9.286	-10.487	-5	M	...
*	17.664	+34.039	1.15	46.7902	9.3	...	13.506	-12.394	-1	...	...	*	9.195	-44.990	0.75	...	...
43 ^I	-17.547	+58.861	1.20	45.7866	9.2	* +9 ^I	-13.494	+39.425	0.90	46.7906	9.8	...	55 ^I	-9.181	-28.466	-5	M m	...
...	17.485	+16.160	-4	...	...	*	13.382	+49.323	1.00	46.7907	9.8	S *	9.131	-56.868	3.50	47.7621	7.2
...	17.480	+28.625	-3	...	...	...	13.287	-18.235	-5	M	...	...	9.094	+46.636	-5	M	...
...	17.430	+28.630	-2	...	...	...	13.208	+29.561	-3	...	...	†	9.020	+54.899	-5	...	...
...	17.454	+12.401	-4	...	...	...	13.190	-31.023	-3	...	...	...	8.965	+19.143	-5	...	...
N *	-17.313	+16.451	-5	M	...	...	-13.056	+49.680	-4	...	...	...	-8.960	-49.493	-4	m	...
17.237	-29.204	1.15	47.7613	9.0	...	12.865	-48.737	0.75	...	...	*	8.916	-30.859	0.80	47.7622	10.0	
...	17.216	+56.021	-5	...	...	...	12.846	+35.944	-4	...	...	*	8.875	-38.993	0.75	...	...
...	17.196	+28.735	-5	...	...	...	12.829	-58.570	0.95	47.7615	10.0	...	8.754	+35.892	-5	...	...
...	17.194	-15.203	-4	...	...	...	12.775	+33.156	-3	...	...	...	8.610	+21.839	-3	...	...
44 ^I	-17.181	-42.736	-5	M	-12.745	+25.211	-3	56 ^I	-8.604	-31.545	-4	m	...
...	17.118	-25.285	-5	M	...	...	12.726	+5.334	-3	...	...	...	8.597	-18.742	-3	m	...
...	16.818	+43.703	-4	...	...	...	12.706	-15.219	-5	M	...	...	8.527	+24.267	-5	m	...
...	16.787	+32.919	-5	...	...	...	12.478	+37.293	-4	...	...	...	8.482	-32.263	-2	...	...
...	16.636	-6.268	-5	M	...	...	12.475	-19.145	-4	M	...	...	8.443	+13.727	-5	m	...
...	-16.593	-53.042	-5	M	...	...	-12.466	+19.912	-4	...	...	*	-8.398	+12.507	1.00	46.7912	9.6
...	16.527	+44.338	-4	...	...	...	12.446	-21.439	-5	M	...	...	8.268	+53.544	0.65	...	...
...	16.468	-28.465	-5	M	...	...	12.419	+10.685	-3	...	...	...	8.114	-27.729	-4	M m	...
*	16.226	-45.571	0.75	...	...	*	12.269	-25.186	1.00	47.7616	9.4	...	8.071	+31.724	-4	...	...
...	16.178	-26.976	-2	...	...	...	12.230	+17.998	-5	M	...	...	7.745	-34.262	-4	M m	...
45 ^I	-16.054	+38.986	-5	-12.203	+47.200	-4	57 ^I	-7.678	+33.960	0.75
...	16.009	+47.412	-5	...	...	...	12.187	+17.384	-5	M	...	*	7.637	+49.352	0.85	46.7913	10.0
...	15.831	-45.279	-4	M	...	...	12.066	+50.577	-4	...	...	...	7.584	-42.966	-5	M m	...
+	15.766	+14.965	0.75	46.7903	10.0	...	12.037	+54.038	-3	...	...	...	7.510	+34.259	-3	...	...
...	15.672	-38.848	-5	M	...	...	11.835	+45.639	-4	...	...	...	7.417	+44.579	-4	...	...
...	-15.667	-34.012	-5	M	...	...	-11.645	+33.407	-3	...	...	*	-7.191	-52.866	0.95	47.7623	10.0
...	15.658	+40.522	-3	...	...	...	11.644	+37.178	-2	...	...	...	7.187	-14.904	-4	M m	...
...	15.573	+16.251	-5	...	...	...	11.343	+27.963	-5	M	...	...	7.088	-33.638	-5	M m	...
S *	15.527	-18.976	1.20	47.7614	9.0	...	11.106	-55.974	-4	B	...	...	7.086	-26.175	-2	...	...
...	15.501	+54.478	-5	...	...	...	11.053	-42.707	0.80	...	...	...	6.814	+36.892	-5	M m	...
46 ^I	-15.456	-38.681	-5	M	...	*	-11.040	-17.520	1.10	47.7617	9.4	...	58 ^I	-6.808	+26.948	-5
...	15.440	-57.176	-1	...	...	...	10.808	+35.254	-5	...	...	...	6.779	+37.582	-3	...	...
*	15.364	-2.325	1.00	46.7904	9.6	...	10.745	+48.618	-1	...	...	...	6.765	+18.455	-4	...	...
...	15.327	-33.216	-5	M	...	...	10.541	+50.049	-5	M	...	...	6.752	-42.487	-5	M m	...
†	15.282	-29.884	-2	...	...	...	10.448	-46.656	-4	A	...	...	6.737	-25.652	-5	M m	...
...	-15.245	+40.785	-4	...	...	...	-10.423	-42.123	-5	M	...	...	6.679	-13.763	-2	...	...
...	15.198	-4.011	-3	...	...	...	10.366	-19.142	-4	M	...	...	6.588	-7.149	-3	...	...
...	15.191	+27.039	-5	...	...	...	10.332	-32.243	-5	M	...	...	6.534	-51.257	-4	M m	...
...	15.181	-4.659	-4	...	...	...	10.245	+17.920	-2	...	...	...	6.144	-39.281	-5	M m	...
...	15.167	-36.085	-5	M	...	...	10.213	+10.258	-5	M	...	...	6.019	+11.505	-5	m	...
47 ^I	-15.123	+49.048	-4	*	-10.191	+15.861	0.90	46.7909	10.0	...	59 ^I	-5.686	+57.467	-5
†	14.975	-39.138	-3	A	...	...	10.120	-42.215	-4	A	...	...	5.578	-52.866	-5	M m	...
...	14.864	+57.969	-4	...	...	...	10.118	+0.221	1.00	46.7908	9.6	...	5.569	-37.388	-4	m	...
...	14.862	-57.892	-3	...	...	S †	10.004	+6.019	1.90	46.7910	8.3	...	5.493	+28.340	-5	m	...
...	14.815	-31.865	-5	M	...	†	10.000	-26.344	-5	M	...	...	5.366	-47.637	-4	M	...
...	-14.711	-15.729	-3	...	...	...	-9.920	+55.218	-4	...	...	...	-5.262	-24.218	-5	M m	...
...	14.645	+58.579	-5	...	...	...	9.898	-7.471	-5	M	...	*	5.168	+8.010	2.10	46.7914	8.2
...	14.529	+47.695	-4	...	...	...	9.873	+14.673	-3	...	...	...	5.154	+10.178	-3	...	...
...	14.369	-33.160	-4	M	...	...	9.856	+23.237	-5	...	...	...	5.102	-17.986	-5	M m	...
...	14.290	-29.767	-4	...	...	...	9.856	-30.561	0.65	...	...	...	5.076	-35.118	0.80	46.7624	10.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
601-660																			
601	-4.924	-33.286	-3	o	m	...	...	-0.817	-23.721	-2	o	...	...	...	+2.677	-37.054	-2	o	...
...	4.794	+47.451	0.70	...	...	...	...	0.814	+19.405	-1	...	...	...	...	2.692	-26.828	-5	M m	...
...	4.770	+50.240	-1	...	...	*	0.808	+13.956	0.95	46.7918	9.8	*	...	...	2.736	+26.342	0.70	46.7919	10.0
*	4.762	-38.642	0.95	47.7625	10.0	...	0.782	+37.597	-5	m	...	...	...	...	2.763	+13.040	-5	...	...
...	4.757	-21.151	-3	...	...	N	0.707	+54.050	-5	...	...	...	...	2.819	-27.123	-5	m	...	
...	-4.682	+47.420	-4	m	...	...	-0.654	+21.656	-4	...	...	...	...	+	3.029	+7.175	-5	M m	...
...	4.656	+12.454	-4	...	...	...	0.588	-16.756	-5	M m	...	...	...	...	3.085	-45.575	-5	M m	...
...	4.621	-12.170	-5	M m	...	†	0.582	-29.846	-3	m	...	...	...	...	3.146	+30.951	-4	...	...
...	4.589	-36.011	-4	A m	...	...	0.532	+53.352	-5	m	...	...	...	...	3.185	-29.141	0.65	...	...
...	4.570	+3.723	-4	M m	...	...	0.490	-22.472	-4	M m	...	...	...	...	3.239	+4.101	-5	M m	...
611	-4.557	-18.468	-5	M m	...	671	-0.340	-11.055	-4	M m	...	...	...	721	3.240	-4.323	-5	M m	...
...	4.555	+3.857	-5	M m	...	...	0.289	-34.235	-3	m	...	...	...	...	3.309	-27.748	-5	M m	...
...	4.484	+16.499	-3	...	...	...	0.252	-52.020	0.80	...	...	...	...	...	3.349	+25.536	0.75	...	...
...	4.219	+41.157	-5	M m	...	...	0.245	+33.628	-3	...	...	...	...	...	3.439	+48.106	-4	...	...
*	4.143	-21.637	0.90	...	...	...	0.185	+37.889	-4	...	...	...	...	...	3.486	-50.169	-1	...	...
...	-4.102	+10.191	0.65	...	...	...	-0.148	-0.855	-5	M m	...	...	...	...	3.555	+49.562	-5	...	...
...	4.022	+36.655	-5	...	...	...	+0.063	-43.236	-5	M m	...	...	...	...	3.559	-34.499	0.75	...	...
*	3.679	-17.358	0.75	...	...	...	0.173	-30.831	-4	M	...	...	...	...	3.581	+15.255	-3	...	...
...	3.654	+41.719	-2	...	...	...	0.186	-33.290	-5	M m	...	...	...	...	3.595	-29.834	-4	m	...
...	3.498	+36.495	-4	...	...	...	0.241	+16.035	-5	m	...	...	...	...	3.674	+44.803	-3	...	...
621	-3.475	-25.023	-4	M	...	681	* +0.263	-43.205	1.15	47.7627	9.2	*	...	721	3.769	+43.389	0.95	46.7922	9.8
...	3.396	-10.247	-1	...	...	...	0.382	+38.570	-5	...	...	*	...	...	3.772	+18.697	0.85	46.7920	10.0
...	3.384	-51.947	-5	M m	...	...	0.412	-2.844	0.80	...	...	*	...	...	3.825	+13.041	0.95	46.7921	9.6
...	3.373	-25.224	-5	M m	...	...	0.456	-47.292	-4	...	...	...	...	...	3.848	-30.455	-3	M	...
...	3.309	-50.073	-5	M m	...	†	0.582	+29.960	-5	...	...	...	...	...	3.862	+28.302	-5	M m	...
...	-3.259	+16.643	-3	...	...	...	+0.596	+37.964	-5	...	...	...	...	...	3.941	-52.892	0.70	...	...
...	3.255	+31.107	0.75	...	...	...	0.636	-31.907	-4	...	...	...	...	...	3.971	-31.541	-5	M m	...
...	3.254	+51.070	-3	...	...	...	0.661	-22.302	-3	m	...	...	...	...	4.030	-10.181	1.00	47.7630	9.7
...	3.192	-19.777	-2	...	...	...	0.702	-45.545	-5	M m	...	...	...	...	4.046	+44.912	0.70	...	...
...	3.126	+9.202	-5	M m	...	...	0.716	+38.827	-5	...	...	...	...	...	4.076	-57.686	-5	M m	...
631	-2.895	-1.108	-4	M m	...	691	+0.909	+38.472	-4	...	...	...	...	721	4.087	-6.000	-2	...	...
...	2.786	+37.680	-4	...	...	...	0.954	+17.419	-4	...	...	...	...	...	4.202	+22.183	-3	...	...
...	2.712	-18.791	-4	M m	...	...	1.025	+12.157	-5	...	...	...	...	...	4.234	-51.606	-4	M m	...
...	2.711	-10.828	-5	M m	...	...	1.099	-18.397	-5	M m	...	...	...	...	4.280	+42.038	-5	...	...
*	2.624	+29.612	1.00	46.7915	9.6	...	1.184	+26.720	-5	m	...	...	...	...	4.292	+11.716	-3	...	...
...	-2.566	+30.641	-5	M m	...	701	+1.239	+25.069	-5	...	...	...	...	721	4.323	+0.689	-5	M m	...
...	2.527	+9.680	-2	...	...	...	1.251	+24.291	0.70	...	...	...	...	...	4.584	+14.534	-5	M m	...
...	2.475	+17.218	-4	m	...	...	1.282	-22.912	1.00	47.7628	9.6	*	...	...	4.599	-7.215	0.80	47.7631	10.0
...	2.452	-48.171	0.75	...	...	...	1.302	+48.897	-5	...	...	...	...	...	4.711	+0.405	-5	M m	...
...	2.354	-25.546	-5	M m	...	...	1.319	+39.897	-3	...	...	...	...	...	4.991	-57.430	-4	M b	...
641	-2.350	-33.133	-2	...	...	...	+1.339	+56.910	-4	...	...	...	...	721	5.067	+24.153	-5	M m	...
...	2.258	+42.377	0.70	...	...	...	1.442	+14.767	-5	...	...	...	...	...	5.131	+6.611	-5	M m	...
*	1.909	+31.092	0.90	46.7916	9.8	...	1.503	+58.837	-4	...	...	...	...	...	5.139	+14.391	0.90	46.7923	9.8
*	1.902	-50.609	0.90	...	...	...	1.516	-31.583	-4	...	...	...	...	...	5.242	+2.990	-4	m	...
...	1.644	+18.757	-2	...	...	*	1.551	-42.362	1.00	47.7629	9.6	*	...	...	5.337	-26.523	0.80	47.7632	10.0
...	-1.635	-59.727	-4	B m	...	...	1.579	+26.830	-3	...	...	...	...	...	5.469	-33.061	-4	M m	...
...	1.608	+42.806	-2	...	...	...	1.600	+24.507	-5	...	...	...	...	...	5.511	+3.032	-4	m	...
...	1.446	+15.206	-5	M m	...	...	1.631	+50.931	-5	...	...	...	...	...	5.517	-30.477	-2	m	...
...	1.445	-5.804	-2	...	...	*	1.648	-30.739	0.80	...	...	...	...	...	5.589	-14.741	0.90	47.7634	9.8
...	1.225	+44.723	-2	...	...	...	1.819	-6.855	-5	M m	...	...	...	...	5.607	-10.544	1.00	47.7633	9.7
651	-1.180	-39.570	-5	M m	...	721	+1.880	+53.867	-5	m	...	...	...	721	5.620	+31.206	1.00	46.7924	9.3
...	1.145	-58.381	-5	M m	...	...	2.023	+49.527	-3	...	...	...	...	...	5.624	+40.263	-1	...	...
...	1.106	+59.246	-4	M	...	...	2.100	+28.839	-3	...	...	...	...	...	5.703	-48.629	-1	...	...
†	1.105	+24.987	-4	...	...	...	2.106	+29.903	-3	...	...	...	...	...	5.938	+10.162	-5	M m	...
...	1.037	-7.935	-2	m	...	...	2.201	-37.241	-3	...	...	...	...	...	5.956	-6.883	-5	M m	...
...	-0.969	-1.260	-3	A m	...	...	+2.294	-59.360	-4	M b	...	...	...	...	6.025	-56.310	1.00	47.7635	9.8
...	0.968	-26.713	-2	...	...	...	2.352	+50.031	-4	...	...	...	...	...	6.056	+17.059	1.00	46.7925	9.4
*	0.918	+35.122	1.00	46.7917	9.4	...	2.476	+19.470	-5	...	...	...	...	...	6.142	+58.740	-5	...	...
...	0.863	-20.247	-3	m	...	...	2.511	+2.634	-4	m	...	...	...	...	6.154	-39.284	-3	M b	...
...	0.860	+47.546	0.75	...	...	...	2.651	-47.570	-5	M m	...	...	...	...	6.223	-14.983	-5	M m	...

665. Very faint.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
781-840																			
781	+ 6.276	+ 46.994	0.85	46.7926	10.0	841	+ 9.971	+ 13.314	- 1	o	...	901	+ 14.044	+ 28.849	- 5	o	...		
*	+ 6.338	+ 4.701	1.70	46.7927	8.6	...	10.026	+ 7.411	- 5	m	...	...	14.091	+ 40.341	0.85	46.7941	9.5
...	- 6.360	- 9.471	- 5	M m	...	...	10.118	- 37.735	- 4	...	...	...	14.092	- 57.459	- 5	m	...
...	- 6.603	- 57.151	- 4	M b	...	...	10.142	+ 29.969	- 5	...	...	...	14.129	+ 52.392	- 1	...	...
...	- 6.763	+ 15.722	- 4	...	...	...	10.197	- 39.588	- 5	m	...	...	14.205	- 12.882	- 2	...	...
...	+ 6.773	- 14.551	- 1	...	...	...	+ 10.223	+ 33.433	- 3	...	...	...	+ 14.311	+ 50.654	- 5	...	...
...	- 6.875	+ 19.347	- 4	...	...	...	10.239	- 20.286	0.95	47.7637	9.8	*	14.369	+ 17.288	0.95	46.7943	9.8
...	- 6.944	+ 43.903	- 4	...	...	...	10.323	+ 17.993	- 5	...	...	...	14.393	- 35.905	- 4	...	...
...	- 6.956	+ 38.084	- 2	...	...	...	10.410	- 32.490	- 5	m	...	...	14.395	- 30.833	- 5	m	...
...	7.061	- 19.836	- 4	M	...	...	10.423	+ 16.163	- 4	...	...	...	14.501	+ 32.763	- 5	...	...
791	+ 7.108	- 25.339	1.10	47.7636	9.4	851	+ 10.442	+ 43.964	- 5	...	...	...	+ 14.523	+ 44.634	- 4	...	...
...	- 7.127	- 6.694	- 4	M m	...	...	10.468	+ 42.023	- 5	...	...	...	14.569	- 9.564	- 5	m	...
...	- 7.159	+ 25.961	- 5	M m	...	...	10.487	- 13.904	- 5	m	...	...	14.606	+ 27.585	- 5	...	...
...	- 7.262	+ 23.484	- 4	...	...	...	10.537	+ 41.436	- 5	...	...	*	14.725	+ 44.323	0.85	46.7944	10.0
...	- 7.267	+ 30.208	- 3	...	...	...	10.609	- 15.487	- 1	...	...	*	14.781	+ 17.395	0.75	46.7945	10.0
...	+ 7.271	- 45.195	- 4	M a	...	...	+ 10.712	- 10.942	- 4	...	...	...	+ 14.831	- 5.836	- 4	...	...
...	- 7.275	- 31.512	- 4	M m	...	...	10.788	- 4.974	- 5	m	...	...	14.932	+ 2.713	- 5	...	...
...	- 7.284	+ 9.379	- 5	M m	...	...	10.803	- 54.642	- 5	m	...	...	14.985	- 15.301	- 4	m	...
...	- 7.306	+ 34.627	- 2	...	...	...	10.854	- 6.836	- 4	m	...	...	15.355	+ 54.311	- 5	...	...
...	- 7.310	+ 35.296	- 3	...	...	...	11.118	- 37.051	- 5	m	...	...	15.395	+ 1.146	- 5	m	...
801	+ 7.331	- 26.298	- 2	861	+ 11.140	+ 19.832	- 4	921	+ 15.584	- 59.173	- 5	m	...	
...	- 7.476	- 58.828	- 4	M b	...	...	11.197	+ 12.666	- 5	m	...	...	15.664	- 34.720	- 5	m	...
*	- 7.559	+ 53.573	1.30	46.7928	9.0	...	11.197	+ 4.529	- 5	m	...	...	15.761	+ 24.930	- 5	...	...
...	- 7.560	+ 28.362	- 4	...	...	...	11.284	- 57.023	- 4	b	...	...	15.794	+ 4.373	- 1	...	...
...	- 7.621	+ 4.896	- 5	M m	...	...	11.448	- 9.423	- 3	...	...	...	15.846	+ 17.506	- 5	m	...
...	+ 7.692	- 58.531	- 4	M b	...	...	+ 11.717	+ 49.822	1.10	46.7935	9.0	...	+ 15.930	+ 32.167	- 5	...	...
*	- 7.699	+ 19.868	0.85	46.7929	10.0	...	11.785	- 5.820	- 4	...	...	...	15.977	- 12.048	0.65	...	...
...	- 7.717	- 43.106	- 5	M m	...	...	11.829	+ 55.540	- 4	...	...	...	16.023	- 54.411	- 5	m	...
...	- 7.755	+ 48.200	- 4	...	...	...	11.971	+ 18.883	- 4	...	...	*	16.026	- 58.766	1.30	47.7639	9.2
...	- 7.836	+ 46.395	- 5	...	...	...	12.019	- 40.463	- 2	...	...	...	16.071	- 22.102	- 5	m	...
811	+ 7.839	- 48.028	- 4	M a	...	871	931	*	+ 16.168	+ 37.323	0.90	46.7946	9.8
...	- 7.861	- 39.980	- 3	M	...	...	12.105	+ 18.996	- 5	...	...	...	16.291	+ 35.143	- 4	...	...
...	- 8.050	+ 14.907	- 3	...	...	*	12.135	+ 42.023	0.85	46.7936	9.8	...	16.433	- 45.923	- 4	b	...
*	- 8.104	+ 23.594	0.90	46.7930	10.0	...	12.317	+ 28.719	- 3	...	...	...	16.504	+ 11.130	- 5	m	...
...	- 8.126	+ 29.222	- 4	...	...	...	12.392	+ 36.613	- 5	...	...	*	16.526	- 21.796	0.90	47.7640	10.0
...	+ 8.236	+ 43.767	- 4	...	...	...	+ 12.443	- 46.869	- 2	...	...	...	+ 16.541	- 47.943	- 4	a	...
...	- 8.258	+ 48.076	- 4	...	...	...	12.449	- 33.507	- 3	...	...	...	16.716	+ 13.706	- 4	...	...
...	- 8.310	- 39.619	- 3	M a	...	...	12.571	+ 44.148	0.70	...	...	...	16.786	+ 15.774	- 4	...	...
...	- 8.387	+ 10.711	- 3	...	...	...	12.740	- 38.333	- 2	...	...	...	16.805	- 33.680	- 4	b	...
...	- 8.389	- 47.267	- 4	M b	...	...	12.865	- 55.129	- 5	m	...	...	16.824	- 57.671	- 5	m	...
821	+ 8.536	+ 39.473	- 1	881	+ 12.934	+ 33.815	- 5	941	+ 16.834	- 55.013	- 3	b	...	
...	- 8.600	- 7.120	- 4	m	...	...	12.965	- 59.026	- 5	m	...	...	16.850	+ 13.644	- 5	...	...
...	- 8.611	- 44.057	- 3	M b	...	...	12.975	- 3.183	- 5	m	...	...	16.875	+ 38.560	- 4	...	...
*	- 8.758	- 49.077	0.85	...	...	...	13.096	- 34.387	- 2	...	...	...	16.978	- 49.247	- 5	m	...
...	- 9.123	+ 52.525	0.80	46.7931	10.0	...	13.192	+ 51.701	- 4	...	...	...	17.022	- 59.489	- 5	m	...
*	+ 9.206	+ 23.872	0.90	46.7932	10.0	...	+ 13.203	+ 47.309	- 3	...	...	...	+ 17.121	- 32.978	- 4	b	...
...	- 9.239	+ 4.851	- 5	m	...	S *	13.257	+ 30.261	1.70	46.7937	8.6	...	17.132	+ 10.605	- 1	...	...
*	- 9.243	+ 3.435	0.90	46.7933	9.8	...	13.292	- 20.184	- 1	...	...	...	17.145	+ 58.941	- 5	...	...
...	- 9.248	- 49.728	- 3	a	...	*	13.320	- 4.828	0.75	46.7938	10.0	...	17.167	+ 4.194	- 4	...	...
...	- 9.294	- 43.986	- 4	b	...	...	13.325	- 22.037	- 5	m	...	*	17.175	+ 18.867	0.95	46.7947	9.8
831	+ 9.317	- 2.636	- 4	m	...	891	+ 13.358	+ 55.050	- 5	951	+ 17.223	- 6.129	0.70	
...	- 9.506	+ 20.171	- 4	...	...	*	13.615	- 3.205	0.80	46.7938	10.0	...	17.284	+ 21.238	- 4	...	...
...	- 9.519	- 20.908	- 3	...	...	*	13.628	+ 8.268	0.85	...	...	*	17.305	+ 7.903	1.00	46.7948	9.3
...	- 9.605	+ 16.725	- 5	...	...	...	13.643	+ 15.635	- 5	m	...	*	17.328	+ 47.885	0.90	...	...
...	- 9.627	- 15.044	- 5	m	...	...	13.758	+ 29.256	- 4	...	...	...	17.346	+ 23.466	- 5	m	...
*	+ 9.631	- 57.884	- 5	m	...	*	+ 13.817	+ 35.992	0.85	46.7939	10.0	...	+ 17.395	+ 31.301	- 2	...	...
*	- 9.661	+ 48.384	1.00	46.7934	9.5	...	13.923	+ 15.995	- 4	...	...	...	17.419	- 19.665	- 5	m	...
...	- 9.675	+ 46.965	- 3	...	...	n *	13.927	+ 20.106	1.30	46.7940	9.2	*	17.492	- 31.814	0.90	47.7641	10.0
...	- 9.742	+ 53.660	- 5	...	...	*	13.992	+ 40.277	0.85	46.7941	9.5	...	17.587	- 36.870	- 4	m	...
...	- 9.863	+ 22.578	- 2	...	...	*	14.004	+ 42.354	1.00	46.7942	9.8	...	17.618	+ 4.532	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
961-1020																	
961	+17·706	+37·936	-3	o	...	1021	+20·854	+43·977	-5	o	...	1081	+24·019	+46·764	-5	o	...
...	17·709	-41·265	-4	a	...	*	20·946	-29·139	0·75	...	...	...	24·036	-20·980	-5	m	...
...	17·734	-5·188	-4	m	...	...	20·981	+11·064	-5	...	...	...	24·080	-27·107	-5	m	...
...	17·744	+38·670	-5	...	...	...	21·040	-1·466	-2	...	...	...	24·159	+52·841	-5	...	...
...	17·762	-58·201	-4	b	...	...	21·060	-56·588	0·65	...	...	*	24·165	-34·459	1·05	47·7652	9·4
...	+17·793	+43·057	-3	...	...	...	+21·080	+14·843	-3	...	...	...	+24·193	+40·199	-5	m	...
...	17·844	+23·359	-2	...	...	*	21·106	+1·774	0·95	46·7955	9·7	...	24·210	+24·176	-5	...	...
*	17·905	+52·869	0·90	...	...	*	21·135	-18·507	1·05	47·7647	9·5	...	24·267	+40·901	-5	...	...
...	17·993	+57·017	-3	...	...	...	21·270	-34·182	-5	m	...	†	24·321	-4·969	-5	m	...
...	18·051	+49·722	-4	...	...	...	21·314	-1·756	-5	m	...	...	24·334	+0·344	-5	m	...
971	+18·067	+49·164	-3	...	...	1031	+21·325	-48·361	-5	m	...	...	+24·335	+21·427	-1	...	...
...	18·082	-22·298	-4	m	...	...	21·401	-56·252	-4	b	...	...	24·356	-37·866	-4	m	...
*	18·099	+56·873	1·00	45·7892	9·8	...	21·468	-43·247	-3	...	...	...	24·374	+14·681	-3	...	...
...	18·151	+0·710	-5	m	...	*	21·535	+25·299	0·85	46·7956	9·5	*	24·393	-44·060	1·10	47·7653	9·3
...	18·254	+23·541	-4	...	...	...	21·616	+15·059	-4	...	...	...	24·470	+40·486	-5	...	...
...	+18·287	-45·135	-4	b	...	...	+21·711	+6·946	0·70	46·7957	10·0	...	+24·511	-50·444	-5	m	...
...	18·357	+48·311	-5	...	...	...	21·713	+51·958	-1	...	...	...	24·592	+43·286	-5	...	...
...	18·425	-57·757	-4	b	...	...	21·828	-13·953	-5	m	...	...	24·617	+49·799	-5	...	...
...	18·472	+2·836	-5	m	...	...	21·880	-4·225	-5	m	...	...	24·636	-57·191	-4	a	...
...	18·519	-37·844	-2	...	...	...	21·884	+38·300	-3	...	...	...	24·708	+33·936	-5	m	...
981	+18·694	+45·002	-3	...	...	1041	+21·910	-49·263	0·65	...	...	...	+24·895	-40·330	0·90	...	...
...	18·700	+52·395	-4	...	...	...	21·951	+10·222	-5	...	...	...	24·926	-49·381	-3	b	...
*	18·735	+47·260	0·90	46·7949	10·0	...	22·013	-0·531	-4	m	...	...	25·062	+38·041	-4	...	...
...	18·869	-55·111	0·85	...	...	...	22·108	+0·603	-3	...	...	...	25·179	+7·939	-2	...	...
*	18·880	+42·760	0·95	46·7950	9·8	...	22·271	-37·365	-5	m	...	...	25·234	+37·155	-4	...	...
...	+18·930	+16·603	0·65	46·7951	10·0	n*	+22·371	-59·336	1·25	47·7648	8·6	...	+25·249	+23·438	-3	...	...
...	19·083	+8·492	-2	...	...	...	22·407	+20·928	-4	...	...	...	25·255	-33·386	1·00	47·7654	9·7
...	19·136	+33·071	-1	...	...	...	22·415	+31·163	-5	...	...	...	25·389	+53·509	-3	...	...
...	19·155	+5·563	-5	m	...	*	22·419	+20·136	1·00	46·7958	9·5	...	25·406	-34·348	-5	m	...
...	19·217	+3·332	-4	m	...	n*	22·468	-59·510	1·05	47·7648	8·6	...	25·416	-3·891	-5	m	...
991	+19·225	-19·337	-4	m	...	*	[+22·500	+26·498	0·75	46·7959	10·0	...	+25·446	+23·885	0·70	...	...
...	19·232	-49·402	-5	m	...	...	22·553	+39·994	-4	...	...	...	25·582	-27·655	-4	m	...
...	19·275	-10·249	-5	m	...	...	22·564	+0·669	-4	...	...	...	25·616	+28·178	-4	...	...
*	19·357	+41·144	0·85	46·7952	10·0	...	22·608	+22·798	-4	...	...	*	25·633	-11·255	1·30	47·7655	9·0
...	19·439	+36·375	-5	...	...	...	22·661	-45·213	-1	...	...	*	25·673	+15·863	1·00	46·7962	9·8
*	+19·446	-21·153	1·40	47·7643	9·0	...	+22·712	-38·437	-4	...	...	...	+25·693	+4·216	-5	m	...
*	19·582	+53·644	0·90	46·7953	10·0	...	22·737	-35·823	-5	m	...	...	25·726	+3·361	-3	...	...
...	19·654	+30·159	-3	...	...	...	22·763	+45·320	0·75	...	...	...	25·769	+3·603	-3	...	...
...	19·747	+25·856	-5	...	...	...	22·781	-58·896	-5	m	...	...	25·772	-17·772	-4	m	...
...	19·787	+57·035	-5	...	...	...	22·832	-29·252	-5	m	...	*	25·843	-12·508	0·90	47·7656	9·8
1001	+19·852	-56·931	-3	...	...	1061	+22·993	+38·575	-5	...	...	...	+25·857	+1·556	-3	...	...
†	19·928	+54·626	-5	...	...	...	23·055	-10·453	-5	m	...	...	25·903	+48·928	-2	...	...
...	20·047	+57·735	-5	...	...	...	23·095	+59·212	-1	...	...	...	25·954	+34·872	0·90	46·7963	9·8
...	20·049	+34·174	-5	...	...	...	23·121	-46·205	-5	m	...	*	25·975	+2·262	0·80	46·7964	10·0
...	20·105	-24·065	-5	m	...	...	23·128	-47·801	-5	m	...	...	26·027	-24·675	-3	...	...
...	+20·162	-5·036	-2	...	...	*	+23·154	-32·555	0·90	47·7649	9·7	...	+26·058	+39·513	-3	...	...
...	20·172	-48·150	-5	m	...	...	23·219	+1·229	-5	m	...	...	26·093	-13·62	-1	...	...
*	20·186	-31·261	0·75	...	...	...	23·243	+38·641	-5	...	...	...	26·103	+27·860	-3	...	...
...	20·200	+52·389	-3	...	...	*	23·264	+16·058	0·85	46·7960	9·8	...	26·157	+0·259	-5	m	...
...	20·201	+27·405	-5	...	...	...	23·356	-47·863	-4	a	...	...	26·195	-39·317	-5	m	...
1011	+20·238	+52·064	-5	...	...	1071	+23·360	-34·601	-3	...	...	...	+26·208	-12·431	-5	m	...
...	20·269	-2·751	-5	m	...	...	23·377	+35·819	-2	...	...	...	26·268	-5·924	-5	m	...
...	20·412	-0·817	-4	m	...	*	23·432	+32·697	0·75	46·7961	10·0	...	26·270	-22·826	-2	...	...
*	20·425	+3·125	0·80	46·7954	9·8	...	23·454	+40·892	-3	...	...	...	26·462	-9·644	-5	m	...
*	20·426	-23·763	0·75	47·7644	10·0	...	23·476	-16·465	-5	m	...	...	26·475	-32·996	-5	m	...
*	+20·463	-12·339	0·95	47·7645	9·5	*	+23·492	-54·146	0·90	47·7650	9·8	*	+26·516	+11·879	0·95	46·7965	9·8
...	20·501	-11·706	-5	m	...	...	23·581	-36·005	-3	...	...	...	26·626	-42·604	-4	b	...
*	20·592	-16·380	0·85	47·7646	10·0	...	23·612	-47·961	-5	m	...	...	26·664	-59·087	0·80	...	...
...	20·696	+33·603	-3	...	...	*	23·746	+34·227	-4	...	...	...	26·688	+38·312	-4	...	...
...	20·809	+49·428	-3	...	...	*	23·755	-43·611	0·90	47·7651	9·6	*	26·718	+37·472	0·90	46·7966	10·0

1046, 1050. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1141-1200																	
I141	+26·732	-11·705	-4	o	m	...	+29·599	-30·428	-5	o	m	...	+32·532	-58·753	-5	o	m
...	26·785	+11·233	-4	...	...	...	29·609	-45·048	-3	b	...	...	32·540	-23·639	-4	m	...
...	26·802	-48·451	0·70	...	...	...	29·645	-27·074	-3	b	...	...	32·557	+17·952	-5	m	...
...	26·809	-18·581	-5	m	...	...	29·652	-36·537	-5	m	...	...	32·578	-0·079	-4	m	...
†	26·854	-24·893	-3	a	...	*	29·674	-51·907	0·95	47·7660	10·0	...	32·661	+5·986	-4	...	...
...	+26·904	-27·213	-4	m	...	...	+29·684	+44·546	-5	m	...	...	+32·710	-11·317	-5	m	...
...	26·993	+43·810	-4	...	...	*	29·692	-55·331	1·10	47·7661	9·6	...	32·897	+13·256	-5	m	...
*	27·095	+36·407	0·90	46·7967	10·0	...	29·738	-27·918	0·85	...	...	...	32·988	+12·568	-5	...	...
...	27·150	+0·762	0·70	...	...	†	29·797	-34·438	-4	a	...	...	33·044	-40·108	-5	m	...
...	27·178	-17·307	-3	...	...	†	29·886	-21·447	0·90	47·7659	9·7	...	33·145	+1·562	-5	m	...
I151	+27·270	+34·542	-4	...	...	...	+29·960	-35·606	-5	m	...	...	+33·224	-58·891	-5	m	...
...	27·279	-37·976	-3	a	...	...	29·996	-24·112	-5	m	...	...	33·228	-12·826	-5	m	...
...	27·289	-22·175	-3	...	...	...	30·104	-52·586	-5	m	...	...	33·240	+54·063	-5	m	...
...	27·303	-43·521	-3	b	...	*	30·114	+51·976	1·05	46·7971	9·4	...	33·333	-30·700	-5	m	...
*	27·325	+35·862	0·85	46·7968	10·0	...	30·149	+1·555	-3	...	...	...	33·334	-39·733	-3	b	...
†	+27·381	-14·915	-4	m	...	...	+30·205	+43·236	-5	...	...	...	+33·406	+13·822	-5	...	...
...	27·399	+22·974	-5	m	...	...	30·355	-9·652	0·70	47·7662	10·0	...	33·439	+33·373	-5	...	...
...	27·429	+45·246	-4	...	...	...	30·448	+1·250	-2	...	...	...	33·572	-29·471	-5	m	...
...	27·526	+15·571	-5	...	...	...	30·454	-46·112	-2	...	...	...	33·591	+17·679	-4	...	...
...	27·542	-22·543	-5	m	...	...	30·455	+40·025	-5	...	...	...	33·632	-42·198	-5	m	...
I161	+27·645	-42·553	-1	...	...	*	+30·455	+1·440	1·10	46·7972	9·4	...	+33·639	-27·956	-4	m	...
...	27·690	-50·521	-1	...	...	...	30·461	+50·693	-3	...	...	...	33·643	+17·684	-5	...	...
...	27·705	-45·950	-4	m	...	...	30·467	-9·744	-2	...	...	...	33·796	+44·332	-5	m	...
...	27·853	-26·434	-2	...	...	...	30·582	-8·629	-5	m	...	*	33·885	+38·810	1·40	46·7976	8·8
*	27·872	+3·032	1·30	46·7969	9·0	...	30·693	-24·755	-4	m	...	...	33·937	-51·816	-5	m	...
...	+27·954	-7·829	-3	a	...	...	+30·713	-15·567	-4	m	...	...	+33·940	-7·930	-3	...	...
...	27·962	+25·080	-4	...	...	*	30·800	-47·713	0·85	47·7663	10·0	...	34·118	+11·464	-3	...	...
...	27·980	-9·031	-4	m	...	...	30·848	+10·634	0·65	...	...	*	34·127	+35·483	0·75	...	...
*	28·052	-24·231	0·90	47·7657	10·0	...	30·957	+32·799	-4	...	...	...	34·131	-29·602	-2	...	...
...	28·063	+19·824	-4	...	...	...	31·061	-14·184	-4	...	...	...	34·162	+33·469	-5	...	...
I171	+28·124	+47·247	-4	...	...	S *	+31·136	-17·817	2·30	47·7664	8·0	...	+34·204	-13·063	-3	...	...
...	28·132	-19·743	-4	m	...	...	31·212	-55·458	-5	m	...	*	34·216	-12·732	0·80	47·7668	10·0
...	28·161	+27·18c	-5	...	...	...	31·253	+33·836	-5	...	...	...	34·241	-28·193	-4	m	...
...	28·205	-32·862	-4	m	...	...	31·261	+15·169	-4	a	...	...	34·299	-19·013	-4	m	...
...	28·241	+48·223	-5	...	...	...	31·334	+36·143	-5	...	...	...	34·323	-48·116	-5	m	...
...	+28·249	-22·016	-4	m	...	...	+31·370	-45·490	0·70	...	...	...	+34·367	-8·591	0·70	47·7669	10·0
...	28·272	+6·303	-5	m	...	*	31·395	-44·971	0·80	...	...	...	34·382	-50·155	-3	a	...
...	28·298	-13·508	-1	...	...	...	31·401	-26·007	-2	...	...	...	34·414	+13·057	-4	...	...
...	28·353	-45·074	0·70	...	...	S *	31·463	+49·954	1·30	46·7973	8·8	...	34·427	+16·753	-5	...	...
...	28·365	-55·598	-5	m	...	...	31·615	-37·301	0·70	...	...	...	34·515	-57·216	0·95	47·7670	10·0
I181	+28·369	-25·381	-3	...	...	...	+31·730	-50·784	-3	a	...	...	+34·729	+49·025	-5	m	...
...	28·429	-21·091	-5	m	...	...	31·800	-26·640	-5	m	...	...	34·757	+49·190	-5	m	...
...	28·526	-32·641	-5	m	...	...	31·801	-36·555	0·65	...	...	...	34·760	+26·500	-5	...	...
...	28·813	+20·771	-4	...	...	n*	31·823	+2·721	0·75	46·7975	10·0	...	34·784	+24·373	-1	...	...
...	28·881	-40·569	0·65	...	...	*	31·835	-16·663	0·90	47·7666	10·0	†	34·799	-4·457	-5	m	...
*	+28·961	-12·348	1·70	47·7658	8·4	n*	+31·856	+2·479	0·75	46·7975	10·0	†	+34·876	-39·516	-4	a	...
...	29·012	-8·201	-3	...	...	*	31·991	-21·793	0·90	47·7665	9·7	...	34·905	-44·973	-3	...	...
...	29·200	+14·354	-3	...	...	...	32·007	-6·928	-2	...	...	†	34·921	-25·472	1·20	47·7671	8·8
*	29·276	+15·207	1·30	46·7970	9·0	...	32·030	-47·754	-3	...	...	...	34·941	-54·999	-3	a	...
...	29·293	+12·593	-4	...	...	...	32·059	-3·184	-4	m	...	...	35·138	-19·325	-4	m	...
I191	+29·331	-19·365	-5	m	...	...	+32·106	-44·759	-4	b	...	*	+35·166	-34·682	0·80	...	...
...	29·373	+5·809	-3	...	...	*	32·129	+30·594	0·90	46·7974	10·0	...	35·234	+46·936	-3	...	...
...	29·386	+26·168	-5	...	...	...	32·171	-10·285	-5	m	...	...	35·234	-57·641	-3	b	...
...	29·413	-48·479	-5	m	...	...	32·195	-44·004	-5	m	...	...	35·346	-0·971	-4	m	...
...	29·453	-42·541	-5	m	...	...	32·332	+41·920	-2	...	...	...	35·371	-52·077	-4	b	...
...	+29·480	+18·082	-5	m	...	...	+32·385	-44·375	-5	m	...	...	+35·515	+25·009	-3	...	...
...	29·503	-36·369	-5	m	...	...	32·388	+4·330	-5	m	...	...	35·554	-6·185	-4	m	...
...	29·573	+18·214	-5	...	...	...	32·426	-32·757	-1	...	...	*	35·633	-43·185	0·85	...	...
...	29·585	-2·180	-5	m	...	...	32·429	-22·371	-5	m	...	...	35·689	-40·244	-3	b	...
...	29·589	+37·702	0·75	...	...	...	32·466	+34·649	-5	m	...	...	35·700	+30·629	-5	...	...

1244, 1246. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
1321-1380																		
1321	+35°713	+20°623	-3	o	...	...	+38°293	+46°412	-3	o	...	...	1441	+41°181	-6°036	-5	o m	...
...	35°741	-16°113	-4	m	...	...	38°312	+15°330	-5	m	...	...	...	41°200	-49°365	-5	m	...
...	35°755	+5°842	-5	m	...	...	38°315	+8°580	-3	...	...	...	...	41°389	+21°907	-3	...	...
...	35°797	+32°544	0°75	46°7977	10°0	...	38°378	-49°998	-2	...	...	*	41°425	-13°771	0°85	47.7678	10°0	
...	35°832	+24°028	-2	...	...	...	38°489	-4°356	-2	a	...	...	...	41°457	+47°642	-5	m	...
...	+35°850	-47°561	-5	m	...	...	+38°495	+40°481	-1	...	...	...	...	41°500	-37°341	-5	m	...
*	35°867	+10°030	0°90	46°7978	10°0	...	38°572	-7°215	-5	m	...	...	...	41°591	+0°355	-5	m	...
...	35°872	+15°180	-5	...	...	...	38°636	+48°784	-1	...	...	...	...	41°616	+47°308	-4	...	...
...	35°933	-49°942	-2	...	...	...	38°701	+23°029	-4	...	...	*	41°645	-2°752	0°80	46.7986	10°0	
...	36°047	+20°776	-1	...	...	...	38°718	+14°802	-4	...	...	...	...	41°691	-6°575	-5	m	...
1381-1440																		
1381	+36°077	-13°507	-4	m	...	...	+38°741	+44°681	-4	...	...	...	1451	+41°711	-30°391	-4	e	...
*	36°172	-24°847	1°00	47.7672	9°5	...	38°781	+4°831	-5	m	...	...	...	41°714	+18°211	-4	...	...
...	36°177	+8°819	-5	m	...	...	38°782	+35°561	-2	...	...	...	...	41°805	-58°212	-1	...	...
...	36°193	+32°064	-2	...	...	...	38°818	-53°175	-4	b	...	...	...	41°806	+4°628	-2	...	...
...	36°199	-12°415	-3	...	...	...	38°861	+4°619	-5	m	...	...	...	41°928	+56°321	-5	...	...
...	+36°214	-2°913	-3	...	...	...	+38°947	+1°779	-3	...	...	...	...	+41°929	+45°169	-5	...	...
...	36°407	+4°590	-4	m	...	*	39°210	-1°007	0°90	46.7983	10°0	...	...	41°999	-42°687	-5	m	...
*	36°448	-50°383	1°00	47.7674	9°8	...	39°228	+59°053	-5	m	...	...	...	42°015	+18°882	-3	...	...
...	36°481	+19°390	-2	...	...	...	39°313	-10°264	-5	m	...	...	...	42°056	+18°316	-3	...	...
...	36°535	-16°551	-1	...	...	...	39°351	-12°677	-3	...	...	...	...	42°068	+24°246	-2	...	...
1441-1500																		
1441	+36°077	-24°823	1°00	47.7673	9°4	...	+39°583	-29°503	-1	...	...	...	...	+42°247	-51°738	-1	...	...
...	36°772	-15°021	-5	m	...	*	39°617	-33°562	0°90	47.7677	10°0	*	...	42°251	-54°065	1°35	47.7679	9°0
...	36°779	+59°501	-5	m	...	...	39°633	+3°957	-4	m	...	...	...	42°254	-48°199	0°75	...	...
...	36°839	-47°874	-5	m	...	...	39°684	-5°194	-1	...	...	...	...	42°312	+16°479	-4	...	...
...	36°864	+56°450	-5	m	...	...	39°703	-40°707	0°80	...	...	...	...	42°355	-5°742	-4	...	...
...	+36°866	-49°953	-4	b	...	*	+39°704	+55°943	1°00	46.7981	9°8	...	...	+42°553	-20°654	-5	e	...
...	36°921	+29°390	-5	m	...	...	39°707	+14°555	-4	...	...	...	...	42°604	-51°163	-5	m	...
*	37°025	-8°601	1°00	47.7675	9°4	*	39°719	+16°315	0°95	46.7984	9°7	...	...	42°607	+1°941	-5	...	...
...	37°043	-52°167	-4	a	...	...	39°740	+7°541	-3	...	...	...	...	42°681	-47°616	0°80	...	...
...	37°070	-47°913	-3	a	...	*	39°795	+50°924	1°20	46.7982	9°4	*	...	42°729	+13°910	0°85	46.7987	10°0
1451-1510																		
1451	+37°078	+6°544	-1	...	...	...	+39°797	+29°828	-5	...	...	...	...	+42°752	-29°489	-2	...	...
...	37°094	-3°742	-3	...	...	†	39°854	+51°425	-4	...	...	*	...	42°805	-43°121	0°95	47.7680	9°8
S *	37°109	+16°574	1°85	46.7979	8°2	...	39°894	-5°327	-5	m	...	...	...	42°811	-49°156	-5	e	...
...	37°176	-9°501	-5	m	...	*	40°159	-23°550	0°75	...	...	...	...	43°051	+22°708	-5	m.	...
*	37°272	-53°455	-4	b	...	...	40°184	+40°353	-2	...	...	...	...	43°127	-41°850	-5	m	...
...	+37°334	+14°556	1°00	46.7980	9°5	...	+40°227	-27°124	-5	m	...	...	...	+43°206	+11°534	-2	...	...
...	37°360	+36°256	-2	...	...	...	40°231	-43°123	-5	m	...	...	...	43°211	-25°638	-5	e	...
...	37°372	+56°791	-5	...	...	...	40°324	+52°624	-2	...	...	...	...	43°263	+2°739	-5	...	...
...	37°375	+4°710	-5	m	...	...	40°352	-7°950	-5	m	...	...	...	43°273	+11°819	-5	...	...
...	37°382	-3°054	-4	m	...	...	40°355	+27°867	0°65	...	...	...	...	43°456	-30°995	-3	e	...
1461-1520																		
1461	+37°409	-41°114	0°75	...	...	...	+40°380	-20°325	-1	...	...	...	...	+43°484	-12°767	-5	e	...
*	37°459	-36°863	1°00	47.7676	9°6	...	40°457	+36°336	-4	...	...	...	...	43°658	-30°727	-5	e	...
...	37°480	+55°826	-5	...	...	...	40°482	-17°938	-5	m	...	...	...	43°817	-5°449	-5	m	...
...	37°558	+48°929	-5	m	...	...	40°489	-32°493	-5	m	...	...	...	44°073	-27°361	-5	e	...
...	37°563	-26°077	-1	...	...	...	40°526	-41°148	-4	b	...	...	...	44°073	-53°042	-3	e	...
...	+37°679	-2°176	0°80	...	...	...	+40°528	+17°185	-2	...	...	...	...	+44°123	-4°508	-3	...	...
...	37°695	-49°506	-2	...	...	...	40°551	+1°366	-5	...	...	...	...	44°175	+30°496	-1	...	...
...	37°714	+31°585	-3	...	...	...	40°594	-59°480	-5	m	...	...	...	44°193	+16°465	-5	e	...
...	37°829	-28°572	-5	m	...	...	40°609	+25°623	-5	...	...	...	...	44°259	+36°695	-5	...	...
...	37°948	-11°035	-5	m	...	...	40°671	-15°826	-5	m	...	...	...	44°298	+22°211	-3	...	...
1471-1530																		
1471	+37°979	+23°379	-2	...	...	...	+40°721	+0°951	-1	...	...	*	...	+44°423	-15°073	0°85	47.7681	9°8
...	38°061	-19°901	-4	m	...	...	40°768	+1°301	-5	m	...	...	...	44°450	-40°501	-4	e	...
...	38°097	+22°717	-3	...	...	*	40°805	+15°829	1°00	46.7985	9°6	...	...	44°464	-41°255	-2	...	...
...	38°112	-13°459	-4	...	...	...	40°825	+16°322	-5	m	...	...	...	44°565	-38°033	-3	e	...
†	38°127	-39°940	-4	a	...	...	40°849	-42°993	-5	m	...	...	...	44°626	+28°760	-3	...	...
...	+38°137	+3°301	-4	m	...	...	+40°923	-36°541	-4	a	...	*	...	+44°669	-13°502	0°85	47.7682	10°0
...	38°143	-13°268	-2	...	...	†	40°935	-34°943	-4	a	...	...	...	44°715	+24°507	-4	...	...
...	38°173	+22°064	-5	m	...	...	40°957	+40°543	-5	...	...	...	...	44°743	-6°959	-5	m	...
...	38°270	-45°473	-3	a	...	...	40°974	+2°283	-5	m	...	...	...	44°751	+52°638	-5	...	...
...	38°289	-8°852	-4	m	...	...	41°067	+24°438	-4	...	...	...	...	44°752	-9°903	-4	e	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		
1501-1560																			
1501	*	+44°782	+51°457	1°10	46°7988	9°4	1561	+48°346	+36°428	-3	°	...	1621	+52°396	+40°472	-2	°	...	
...	...	44°802	+54°458	-5	48°357	-20°314	-3	e	52°415	-3°473	-5	e	...	
S+	44°902	+24°712	-5	n	48°516	+46°618	-2	46°7995	9°5	...	52°484	-46°050	-5	e	...	
...	44°913	-49°259	2°90	47°7683	7°4	...	48°523	-32°971	-2	...	...	...	52°494	+3°383	-5	...	...
...	45°018	+20°801	-4	...	...	*	48°524	-0°713	0°90	46°7998	9°7	...	52°598	+11°193	-4	...	...
*	+45°061	+28°534	1°00	46°7989	9°8	...	+48°540	-32°740	-3	e	...	...	+52°647	-54°831	-1	...	...
*	45°184	-42°102	1°00	47°7684	9°8	n	48°552	+46°710	-1	46°7995	9°5	...	52°684	+57°775	-3	...	...
...	45°198	-39°500	-3	e	...	*	48°564	+15°186	0°90	46°7996	10°0	...	52°709	+12°545	-2	...	...
*	45°220	+2°981	1°00	46°7990	9°4	...	48°688	+18°062	-5	...	...	...	52°733	-4°927	0°65	...	...
...	45°241	+38°077	-3	...	...	...	48°771	-45°003	0°75	...	...	...	52°979	-8°797	-5	e	...
1511	†	+45°407	+29°858	-4	1571	+48°803	-4°426	-4	1631	*	+53°036	-32°391	1°00	47°7699	9°8
...	45°418	-38°732	-2	...	...	*	48°824	-32°637	1°00	47°7694	9°4	...	53°047	-27°914	-5	e	...
*	45°529	+13°173	1°00	46°7991	9°4	...	49°008	-53°353	-5	m	...	...	53°065	-55°145	-4	e	...
...	45°540	-22°164	-4	e	...	*	49°089	+14°520	0°85	46°7999	10°0	...	53°086	+44°799	-5	e	...		
...	45°744	-7°307	-4	e	...	...	49°101	-3°936	-4	e	...	...	53°186	-9°757	-3	...	...
...	+45°900	-42°191	-4	e	...	n*	+49°133	-19°638	2°70	47°7696	5°1	...	+53°297	-42°267	-5	e	...		
...	45°921	-1°026	-4	e	...	*	49°151	-14°777	0°80	47°7695	10°0	...	53°316	+44°991	-5	e	...		
*	45°956	-45°034	0°90	47°7688	10°0	...	49°194	-36°940	-5	e	...	...	53°395	-26°088	-4	e	...
*	46°027	-47°496	1°00	47°7690	9°6	*	49°282	+55°705	1°10	46°7997	9°4	...	53°453	-35°101	-5	e	...		
...	46°100	-32°174	0°80	47°7687	10°0	n†	49°314	-19°971	5°50	47°7696	5°1	...	53°479	-38°566	-5	e	...		
1521	*	+46°176	-20°657	1°00	47°7686	9°4	...	+49°452	+26°578	-3	1641	+53°530	-14°329	-3	
*	46°184	+4°299	0°95	46°7992	9°7	...	49°649	+34°038	-2	...	...	...	53°670	-16°583	-2	...	...
...	46°219	+11°248	-4	...	...	...	49°697	+16°710	-5	e	...	...	53°744	-13°767	-5	e	...
...	46°310	+17°366	-5	...	...	†	49°792	+39°694	-3	...	...	...	53°751	+30°962	-5	...	...
...	46°332	-18°563	-5	e	...	†	49°801	+48°057	1°00	46.8000	9°5	...	53°757	-22°598	-4	...	...
...	+46°478	+56°772	-3	...	...	†	+49°811	+28°746	-4	...	...	...	+53°899	-2°034	-5	e	...
...	46°505	+54°586	-4	e	...	...	49°956	-18°199	-3	...	...	...	53°962	-45°372	-5	e	...
*	46°509	-12°390	0°90	47°7691	10°0	...	49°968	+39°056	-5	...	...	...	53°976	-36°602	-5	e	...
...	46°545	-41°282	-4	e	...	*	49°992	-7°006	1°10	47°7697	9°3	...	54°132	-6°789	-3	...	...
*	46°628	-4°685	1°00	47°7689	10°0	...	50°052	+5°664	-4	...	...	...	54°223	-59°710	-5	e	...
1531	...	+46°654	+54°775	-5	e	...	1591	+50°158	+20°060	-5	1651	+54°462	-24°258	-3	
...	46°749	-35°986	-3	e	...	...	50°208	+24°543	-5	...	...	...	54°466	+9°160	-4	...	...
...	46°762	-10°213	-4	...	...	...	50°244	-7°703	-5	e	...	...	54°557	-47°094	-5	e	...
...	46°834	-19°224	-2	50°433	+1°445	-5	e	n	54°560	-54°658	0°90	47.7701	10°0	
*	46°879	-11°128	1°00	47°7692	9°5	...	50°449	-7°454	-5	e	...	...	54°596	+49°099	-5	...	...
*	+46°886	+4°435	0°90	46°7993	10°0	...	+50°510	+38°645	-5	...	...	...	+54°640	-27°897	-4	e	...
...	46°901	+11°879	-4	...	...	...	50°644	-21°486	0°65	...	...	...	54°889	+33°112	-2	...	...
†	47°033	+34°868	-3	...	...	...	50°674	-2°723	-2	...	...	...	54°898	-13°567	-3	...	...
...	47°090	-12°792	-3	*	50°701	+17°883	-5	n†	54°902	-54°796	0°85	47.7701	10°0	
...	47°185	+9°288	-3	50°760	+18°560	1°05	46.8001	9°4	55°009	+41°793	-5	
1541	...	+47°253	+32°838	-3	1601	+50°763	+3°360	-4	1661	*	+55°039	-37°660	1°40	47.7702	8°8
...	47°286	+2°246	-4	...	...	...	50°820	+7°987	-4	...	...	...	55°130	-23°578	0°80	...	...
...	47°419	+15°272	-5	...	...	...	50°867	-7°726	-2	...	...	...	55°134	+35°756	-4	...	...
...	47°509	-24°690	0°65	...	...	...	50°893	+1°215	-5	e	...	...	55°139	+17°934	-5	e	...
...	47°530	-19°721	-4	e	...	...	51°043	-11°775	-4	...	...	...	55°162	-5°656	0°90	47.7700	10°0
...	+47°593	+49°013	-4	...	...	...	+51°107	+43°603	-5	e	...	...	+55°212	+1°658	-4	...	...
...	47°602	+50°875	-5	m	...	...	51°118	+41°028	-3	...	...	...	55°241	+3°103	0°65	...	...
...	47°735	-1°835	-3	...	...	...	51°322	+38°497	-4	...	...	...	55°280	+0°683	-3	...	...
...	47°801	+9°122	-5	e	...	...	51°436	+43°456	-5	...	...	...	55°337	-41°852	1°00	47.7703	9°6
*	47°835	-0°290	0°80	e	...	...	51°505	-11°825	-5	e	...	...	55°374	+31°044	-3	...	...
1551	†	+47°848	+9°920	-2	1611	+51°570	+27°401	-5	1671	+55°462	+17°422	-1	
...	47°900	+18°227	-4	...	...	...	51°575	+13°368	-4	...	...	...	55°494	+21°030	-5	...	...
...	47°949	+14°554	-5	e	...	...	51°677	-13°919	-5	e	...	...	55°536	+47°201	-3	...	...
...	47°999	-52°293	-4	e	...	...	51°759	+19°816	-5	e	...	...	55°575	-37°384	0°95	47.7704	9°8
...	48°029	+4°688	-4	e	...	...	51°863	+50°903	-5	...	...	...	+55°590	-36°235	-5	e	...
*	+48°070	+20°870	0°90	46.7994	9°8	...	+51°898	-8°730	-5	e	...	...	55°641	+53°421	-5	...	...
...	48°113	+59°122	-2	45.7926	10°0	...	51°978	-10°089	-5	e	...	...	55°644	-20°127	-5	m	...
*	48°152	+48°285	0°80	...	...	...	52°013	+39°502	-4	...	...	...	55°682	+54°294	-5	...	...
...	48°200	+15°550	-3	...	...	...	52°128	+36°516	-4	...	...	...	55°988	+42°698	-4	...	...
*	48°212	-25°349	1°20	47.7693	9°2	...	52°241	+52°544	-5	...	...	...	...	...	...	...	...

1563, 1567. C.P.D., mass.

1576, 1580. C.P.D., mass.

1654, 1659. C.P.D. agrees with mean.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1681-1700																	
1681																	
*	+56°210	-55°254	1°10	47.7706	9°4	1701							1721				
...	56°241	-40°765	-3	...	...	...	+57°663	-19°528	-3	°	e	...	...	+59°264	-13°950	-4	°
...	56°364	+22°298	-5	e	...	...	57°764	+15°882	-1	...	...	...	...	59°309	-33°474	-5	e
...	56°514	+46°002	-5	e	...	...	57°831	-41°806	-1	...	...	...	...	59°514	-35°530	-5	e
*	56°530	-13°448	0°90	46.8002	10°0	...	57°832	+18°290	-5	...	...	...	...	59°549	-41°480	-5	e
*	+56°540	+36°527	0°90	47.7707	10°0	...	57°990	-7°254	-3	e	...	...	...	59°552	-36°132	-5	e
...	56°617	+16°959	-5	e	...	...	+58°019	-43°781	-5	e	...	...	...	+59°562	+15°779	-5	...
...	56°623	+25°377	-3	...	...	...	58°291	+5°609	-5	...	...	...	...	59°610	+2°276	-5	e
*	56°751	-7°595	1°00	47.7705	9°5	...	58°297	+14°542	-5	e	...	...	...	59°646	+23°155	0°80	...
...	56°809	+57°138	-5	...	...	...	58°380	+46°709	-3	...	...	...	...	59°649	-17°212	-5	m
1691						1711							...	59°657	-13°658	-4	e
...	+56°932	-58°860	-3	...	...	...	+58°746	+7°381	-5	e	...						
...	57°260	+42°070	-4	...	...	*	58°824	-49°086	0°90	47.7709	9°8						
...	57°266	+5°069	-5	e	...	...	58°841	-35°458	-5	e	...						
...	57°362	+6°390	-3	...	...	...	58°843	+0°732	-5	...	...				
*	57°446	+10°818	0°90	...	...	...	58°964	+7°453	-5	e	...						
...	+57°460	+53°439	-5	e	...	...	+59°029	-46°154	-3	...	...				
...	57°472	+2°535	-5	m	...	...	59°064	+10°832	-3	...	...				
...	57°497	-31°234	0°85	47.7708	10°0	...	59°075	+6°698	-3	...	...				
...	57°509	+25°159	-2	...	...	...	59°174	-29°686	-3	...	...				
...	57°636	-5°728	-4	e	...	...	59°241	+53°009	-1	46.8003	10°0						

1-30						31-60						61-90					
I	-59.800	+1.668	-4	.	...	31	-57.953	-49.384	-5	E	...	61	-55.819	+11.741	-4	.	...
...	59.800	-6.008	-3	...	...	...	57.901	-31.225	-3	E	...	*	55.811	-42.268	1.00	47.7684	9.8
...	59.645	-30.672	-4	E	...	...	57.896	+29.654	-3	...	...	...	55.723	+48.161	0.85	...	...
...	59.513	+11.276	-2	...	...	...	57.678	-30.954	-5	E	...	...	55.672	-38.887	-3	...	...
...	59.443	+11.562	-5	...	...	...	57.671	+56.583	-3	...	...	*	55.602	+4.314	0.90	46.7993	10.0
...	-59.282	+54.230	-5	...	...	...	-57.567	+54.410	-4	E	...	*	-55.561	-4.828	0.85	47.7689	10.0
...	59.276	+52.391	-5	...	...	...	57.437	+54.612	-5	E	...	*	55.504	-20.803	1.00	47.7686	9.4
...	59.242	+36.454	-5	...	...	*	57.432	-15.292	0.95	47.7681	9.8	...	55.446	+9.168	-2	...	...
*	59.192	+51.228	1.10	46.7988	9.4	...	57.382	-27.556	-4	E	...	*	55.438	-12.530	0.90	47.7691	10.0
...	59.170	+2.485	-4	...	...	...	57.262	-10.085	-4	E	...	...	55.412	-18.695	-5	E	...
II						41						71					
...	-59.146	+30.261	-1	...	...	*	-57.243	+13.001	1.10	46.7991	9.4	...	-55.396	+15.143	-4	...	...
...	59.127	-20.909	-5	E	...	*	57.234	-13.689	0.90	47.7682	10.0	...	55.315	+46.527	0.70	...	...
...	58.757	+21.984	-3	...	...	*	57.227	+2.807	1.10	46.7990	9.4	...	55.263	+46.618	0.85	46.7995	9.5
...	58.680	-58.494	-4	...	...	...	56.595	-40.688	-4	E	...	...	55.252	-10.341	-3	...	...
...	58.665	+16.232	-4	E	...	...	56.574	+17.200	-5	...	...	*	55.211	-32.315	0.95	47.7687	10.0
...	-58.645	-29.736	-3	...	...	...	56.574	-53.241	-3	E	...	...	-55.145	+36.319	-3	...	...
...	58.642	+28.544	-3	...	...	...	56.558	-38.219	-3	E	...	...	55.129	+2.127	-4	...	...
...	58.549	-48.457	-2	...	...	...	56.544	-41.441	-4	...	...	*	55.103	-11.251	1.00	47.7692	9.5
...	58.443	-51.994	-3	...	...	...	56.495	+11.089	-4	...	...	...	55.074	-42.342	-4	E	...
...	58.439	-13.005	-5	E	...	...	56.423	+34.734	-1	...	...	...	55.025	+18.117	-4	...	...
21						51						81					
...	-58.414	+24.299	-3	...	...	...	-56.382	-1.194	-4	E	...	+	-54.944	+20.767	0.90	46.7994	9.8
*	58.345	-54.327	1.80	47.7679	9.0	...	56.364	+15.411	-5	M	...	+	54.931	-45.176	0.85	47.7688	10.0
...	58.322	+37.869	-4	...	...	...	56.357	-7.471	-3	E	...	+	54.888	-19.342	-3	...	...
...	58.307	-25.876	-4	E	...	*	56.302	+4.150	1.00	46.7992	9.7	+	54.866	+14.452	-5	E	...
...	58.248	+24.504	-3	...	...	...	56.301	+48.866	-4	...	...	+	54.847	+55.629	1.30	46.7997	9.4
...	-58.193	+28.330	0.90	46.7989	9.8	...	-56.146	+32.702	-2	...	...	...	-54.836	-12.904	-2	...	...
*	58.159	-43.363	1.00	47.7680	9.8	...	56.115	+59.002	-1	45.7926	10.0	...	54.829	+9.024	-4	E	...
...	58.137	-47.857	-1	...	...	...	56.097	-22.321	-5	E	...	...	54.809	+9.826	-3	...	...
...	58.066	-4.723	-2	...	...	...	55.877	-39.663	-3	E	...	*	54.803	-47.641	1.05	47.7690	9.6
...	57.985	+20.589	-4	...	...	S*	55.840	-49.427	3.10	47.7683	7.4	...	54.643	+15.451	-2	...	...

MC measured from 1, 180, 352, 515, 673, 829, 967, 1139, 1347, 1531, 1746, 1936.
 ES " " 82, 260, 436, 600, 743, 892, 1038, 1236, 1436, 1633, 1843, 2034.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
91-150																		
91	-54.555	-1.933	-4	o	...	151	-51.660	+27.403	-5	o	...	211	-47.727	+42.821	-3	o	...	
...	54.504	-0.395	0.70	E	...	...	51.599	+39.511	-4	...	...	...	47.706	-42.170	-4	E	...
...	54.486	-41.410	-5	E	...	...	51.583	-2.728	0.65	...	...	...	47.637	-38.463	-4	E	...
...	54.463	+4.596	-4	E	...	...	51.494	+57.798	0.80	...	...	...	47.532	+21.151	-3	...	...
...	54.449	-36.098	-4	E	...	...	51.483	+1.210	-5	E	...	...	47.507	-55.038	-4	E	...
*	-54.274	+15.094	0.95	46.7996	10.0	...	-51.478	+28.446	-5	M	...	...	-47.452	+17.550	-1	...	...
...	54.223	+17.970	-5	...	...	...	51.391	+22.304	-5	M	...	...	47.368	+57.282	-3	...	...
...	54.181	-19.824	-3	E	...	...	51.387	+36.527	-4	...	...	...	47.311	+46.138	-5	E	...
*	54.079	+48.007	1.15	46.8000	9.5	...	51.251	+40.486	-1	...	...	...	47.212	-1.933	-5	M	...
...	54.057	-24.789	-1	...	...	...	51.231	-7.721	0.70	...	...	...	47.206	+3.240	0.65	...	...
101	-53.821	+39.632	-2	...	...	161	-51.216	+19.825	-4	E	...	...	-47.204	-36.489	-4	E	...
*	53.800	-0.787	1.00	46.7998	9.7	...	51.186	+13.373	-4	...	...	...	47.185	+1.795	-4	...	...
...	53.795	+33.975	-2	...	...	...	51.080	-48.306	-5	M	...	...	47.114	+3.936	-5	M	...
...	53.738	+26.510	-2	...	...	...	51.039	-0.391	-5	M	...	...	47.104	-24.131	-1	...	...
...	53.724	+14.461	0.85	46.7999	10.0	...	51.014	-21.484	0.65	...	...	...	47.089	+0.819	-2	...	...
...	53.628	+38.998	-5	...	...	...	50.929	-11.769	-2	...	...	...	-47.012	-13.440	-2	...	...
...	53.459	+28.699	-3	...	...	...	50.877	+53.503	-5	...	...	...	47.008	-5.515	0.85	47.7700	10.0
...	53.455	+32.777	-5	M	...	...	50.720	+11.747	-5	M	...	...	46.950	-45.248	-5	E	...
...	53.437	+29.414	-5	M	...	...	50.702	+44.819	-5	E	...	...	46.919	-35.613	-5	M	...
...	53.404	-4.488	-3	...	...	...	50.560	+40.653	-5	M	...	...	46.823	-27.761	-3	E	...
111	-53.345	-20.384	-3	E	...	171	-50.469	+45.031	-5	E	...	...	-46.720	+49.678	-5	M	...
*	53.336	-25.413	1.25	47.7693	9.2	...	50.468	-11.810	-5	E	...	...	46.708	+22.451	-4	E	...
...	53.186	+16.646	-4	E	...	...	50.409	+10.355	-5	M	...	...	46.582	+53.610	-4	E	...
...	53.153	+25.734	-5	M	...	...	50.230	-13.893	-5	E	...	...	46.547	+25.535	-1	...	...
...	53.126	-3.995	-4	E	...	...	50.165	-8.691	-5	E	...	...	46.471	-23.432	0.70	...	...
...	-53.062	+38.601	-4	...	...	...	-50.099	+11.229	-4	...	...	...	-46.430	+42.246	-3	...	...
...	53.014	+17.466	-5	M	...	...	50.048	-10.051	-5	E	...	...	46.311	-46.951	-4	E	...
...	52.927	+24.512	-3	...	...	...	50.032	+12.586	-2	...	...	...	46.281	+17.117	-5	E	...
...	52.852	+5.664	-5	M	...	...	49.964	+3.439	-5	...	...	...	46.249	+13.606	0.80	46.8002	10.0
...	52.838	+20.011	-5	...	...	...	49.825	-3.424	-5	E	...	...	46.222	-59.570	-4	E	...
121	-52.781	-33.032	-3	181	-49.584	+31.029	-4	*	-46.110	-37.516	1.40	47.7702	8.8
...	52.765	-32.802	-4	E	...	...	49.454	-4.871	0.80	...	...	n	46.044	-54.515	0.85	47.7701	10.0
...	52.730	+32.209	-5	M	...	...	49.313	+49.172	-4	...	...	...	45.929	-58.417	-5	M	...
*	52.725	-14.824	0.80	47.7695	10.0	...	49.089	-8.724	-5	E	...	...	45.746	+44.538	-4	A	...
...	52.698	-52.355	-4	E	...	...	48.863	-9.682	-3	...	...	n	45.689	-54.656	0.90	47.7701	10.0
...	-52.626	+43.579	-5	E	...	...	-48.652	+41.894	-5	...	...	*	-45.673	-41.694	1.00	47.7703	9.6
n*	52.556	-19.677	2.70	47.7696	5.1	...	48.547	+33.211	0.70	...	...	...	45.646	+25.352	-1	...	...
...	52.537	+40.992	-2	...	...	...	48.433	+7.798	-5	M	...	...	45.616	-37.223	0.95	47.7704	9.8
*	52.481	-32.692	1.15	47.7694	9.4	...	48.418	-27.839	-3	E	...	...	45.615	-36.065	-4	E	...
...	52.479	-4.050	-5	M	...	...	48.413	+53.534	-4	...	...	...	45.574	-36.395	-4	E	...
131	-52.477	+5.624	-3	...	...	191	-48.408	+54.414	-4	...	...	...	-45.531	+39.229	-5	M	...
...	52.432	+42.274	-5	M	...	...	48.390	-45.977	-4	E	...	...	45.459	+46.921	-3	...	...
n+	52.379	-20.017	5.70	47.7696	5.1	...	48.388	-1.940	-4	E	*	45.348	-7.401	1.00	47.7705	9.5
...	52.304	+43.440	-5	48.375	-14.250	-2	*	45.244	+11.016	0.80
...	52.257	+38.480	-4	...	...	...	48.352	+35.865	-3	...	...	...	45.242	+5.268	-5	E	...
...	-52.248	-11.102	-5	M	...	...	-48.344	+47.306	-1	...	...	...	-45.193	+6.581	-3	...	...
...	52.218	+17.854	-3	...	*	...	48.288	-32.305	1.00	47.7699	9.8	...	45.154	+7.576	-5	M	...	
*	52.180	+18.538	1.10	46.8001	9.4	...	48.221	+19.662	-5	M	...	...	45.116	+18.499	-4	...	...
*	52.135	-7.028	1.10	47.7697	9.3	...	48.204	+22.191	-4	A	...	...	45.081	+16.083	-1	...	...
...	52.133	-45.052	0.70	...	...	...	48.184	-13.678	-5	E	...	...	44.896	-24.737	-5	M	...
141	-52.115	+50.896	-4	...	...	201	-48.180	+9.263	-3	...	...	...	-44.875	+14.127	-5	M	...
...	51.969	+1.429	-5	E	...	...	48.146	-16.484	0.80	...	...	...	44.803	+53.246	0.80	46.8003	10.0
...	51.965	-36.987	-5	E	...	...	48.120	-25.995	-3	E	...	...	44.802	-40.568	-2	...	...
...	51.964	+10.359	-5	M	...	...	48.005	-6.680	-1	...	...	...	44.790	+49.200	-5	M	...
...	51.846	-7.722	-5	E	...	...	47.963	+31.162	-2	...	...	...	44.647	-36.324	0.75	47.7707	10.0
...	-51.807	-18.826	-3	...	...	...	-47.943	-54.741	-2	...	...	...	-44.531	-5.517	-4	E	...
...	51.774	+52.543	-4	...	...	...	47.866	-22.490	-3	...	...	...	44.528	+14.770	-5	E	...
...	51.774	+7.983	-4	...	...	...	47.782	-34.995	-4	E	...	...	44.374	-55.044	1.20	47.7706	9.4
...	51.689	+3.351	-3	...	...	...	47.779	+18.057	-4	E	...	...	44.346	+58.251	2.20	45.7935	8.1
...	51.665	-7.456	-5	E	...	...	47.743	+20.777	-5	M	...	...	44.227	+5.840	-5	...	...

127, 133. C.P.D., mass.
242, 245. C.P.D. agrees with mean.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
271-330																		
27 ^I	-44°14'3	-7°02'4	-3	E	...	33 ^I	-40°955	+23°613	1°00	46.8011	9°5	39 ^I	-37°601	-30°938	-3	° A	...	
...	44°06'3	-19°30'6	-4	E	...	...	40°906	+15°694	-1	...	...	...	37°595	-45°217	-4	M	...
...	43°87'0	-31°00'8	0°70	47.7708	10°0	...	40°899	-28°333	-5	M	...	...	37°552	+0°554	-1	...	...
...	43°82'9	+7°63'4	-5	E	...	...	40°869	-32°109	-4	M	...	...	37°545	+38°367	-4	...	...
...	43°64'4	+40°950	-5	M	...	...	40°624	-37°840	-4	M	...	...	37°517	+7°588	-3	...	...
...	-43°63'7	+11°08'2	-3	...	...	...	-40°617	-13°779	-3	...	...	...	-37°476	+5°898	-2	...	...
...	43°62'8	+7°70'7	-5	E	...	...	40°612	-53°988	-5	M	...	...	37°418	+15°615	-2	...	...
...	43°55'6	+31°30'3	-4	...	...	...	40°595	+37°651	-4	A	...	...	37°334	+36°468	-3	...	...
...	43°54'0	+0°98'2	-4	...	...	*	40°593	+15°213	1°25	46.8012	9°2	...	37°083	+21°680	-2	...	...
...	43°53'9	-58°63'0	0°65	...	...	...	40°559	-16°356	-5	M	...	*	37°015	-1°320	1°00	46.8017	9°5
28 ^I	-43°50'0	+6°955	-3	34 ^I	-40°542	+42°762	-4	40 ^I	S *	-36°978	+12°467	2°30	46.8018	7°9
...	43°46'7	+23°41'3	0°80	...	...	...	40°510	-41°912	-2	...	...	...	36°977	-29°842	-4	M	...
...	43°41'8	+45°50'0	-5	...	...	...	40°432	-37°284	0°70	...	...	...	36°908	-21°058	-5	M	...
...	43°30'1	+16°04'8	-5	...	...	...	40°396	-32°519	-2	...	...	...	36°898	-36°352	0°70	...	...
...	43°17'6	-41°56'2	0°65	...	...	...	40°380	-30°957	-5	M	...	...	36°891	-49°518	-5	M	...
...	-43°08'3	+34°79'4	-4	...	...	...	-40°287	-8°539	-5	M	...	...	36°889	-53°175	-4	M	...
...	43°03'2	-41°37'9	-5	M	...	...	40°259	+21°689	-4	...	...	...	36°800	-54°487	-4	M	...
...	42°93'9	-43°53'8	-5	E	...	...	40°235	-37°817	-4	M	...	...	36°792	-51°358	-1	...	...
...	42°82'4	+2°55'2	-5	E	...	...	40°165	+37°593	-5	...	...	...	36°750	+44°498	-5	M	...
...	42°78'9	+57°14'6	-3	...	...	...	40°079	+7°396	-5	M	...	...	36°750	-14°546	0°80	...	...
29 ^I	* -42°74'4	+19°21'9	1°15	46.8004	9°4	...	35 ^I	-40°071	-57°045	-5	M	...	41 ^I	-36°654	-35°974	-1
...	42°69'3	+9°70'3	-5	M	...	...	39°849	+25°256	-5	M	...	...	36°557	+5°375	-4	...	...
...	42°65'7	+17°10'1	-5	M	...	...	39°752	-44°726	-4	M	...	...	36°461	-28°005	0°80	47.7711	10°0
...	42°64'6	-13°67'7	-5	E	...	...	39°723	-50°742	-2	A	...	...	36°456	-57°640	-5	M	...
...	42°43'2	-37°63'6	-5	E	...	...	39°654	+33°047	-5	M	...	...	36°348	+25°612	-5	M	...
...	-42°39'4	-35°17'8	-5	E	...	...	-39°606	-42°217	-4	M	...	...	-36°198	+26°312	-4	...	...
...	42°27'7	-13°37'1	-5	E	...	...	39°562	-7°248	-4	M	...	...	36°116	-56°321	-5	M	...
...	42°23'3	-29°39'8	-2	...	...	...	39°312	-47°337	-2	A	...	...	36°097	-33°728	-3	A	...
...	42°22'8	-3°15'2	-5	M	...	...	39°304	-34°041	-4	M	...	...	36°060	-34°895	0°75	...	...
...	42°18'0	+49°40'3	0°80	46.8007	10°0	...	39°300	-28°460	0°80	...	...	*	36°031	+25°069	1°00	46.8019	9°4
30 ^I	-42°13'6	+34°13'4	-3	...	...	36 ^I	-39°271	-13°067	-4	M	...	42 ^I	-36°003	+8°524	-5	M	...
...	42°10'5	+30°18'8	0°80	46.8005	10°0	...	39°245	+9°606	-3	...	...	...	35°922	-32°465	-5	M	...
...	42°04'3	+35°87'9	0°95	46.8006	10°0	...	39°238	+8°800	-4	...	...	...	35°910	+39°457	-3	...	...
...	42°02'0	-59°27'2	-5	M	...	...	39°178	+1°395	-2	...	...	...	35°782	-3°494	-1	...	...
...	42°00'8	+26°39'6	-5	M	...	...	39°123	+9°257	-4	...	...	...	35°754	-5°129	-4	M	...
...	-41°99'3	-33°18'6	-4	E	...	*	-39°044	+2°349	0°90	46.8014	9°8	*	-35°530	-4°043	1°30	47.7714	9°0	
...	41°96'1	-48°80'8	0°90	47.7709	9°8	...	39°037	-34°429	-5	M	...	...	35°506	-59°295	-5	M	...
...	41°84'8	-45°87'2	0°65	...	...	...	38°866	+18°674	-4	...	...	...	35°258	-2°253	-4	M	...
...	41°77'9	+30°66'5	-1	...	...	...	38°743	-4°407	-4	M	...	...	35°177	-43°894	-3	A	...
...	41°76'0	+27°97'2	-5	M	...	...	38°673	-4°219	-4	M	...	*	35°177	-48°156	1°00	47.7712	9°4
31 ^I	-41°75'6	+5°75'8	0°70	...	...	37 ^I	-38°641	-25°611	-1	...	...	43 ^I	-35°124	-27°364	-5	M	...
...	41°71'9	-35°23'4	-5	E	...	...	38°619	+40°296	-3	...	...	*	35°074	+3°204	1°20	46.8020	9°2
...	41°70'0	+10°37'6	-5	M	...	...	38°617	+34°042	-3	...	...	...	35°047	-2°827	-2	...	...
...	41°65'4	-35°83'7	-5	E	...	...	38°589	-51°336	-5	M	...	...	34°991	-21°208	-5	M	...
...	41°62'2	-38°14'8	-5	M	...	...	38°570	-51°215	-5	M	...	...	34°964	+34°335	-4	...	...
...	-41°53'4	-39°25'2	-5	M	...	...	-38°508	+25°330	-5	M	...	...	-34°939	-12°178	1°00	47.7716	9°4
...	41°52'1	-2°84'4	-2	...	...	...	38°458	-45°078	-4	M	...	...	34°893	-53°564	0°90	47.7713	10°0
...	41°49'0	-41°18'1	-5	E	...	...	38°367	+40°966	0°65	...	...	...	34°830	-14°137	-3	...	...
...	41°48'0	-34°09'8	-3	...	...	*	38°349	-42°794	1°40	47.7710	9°0	...	34°807	+35°279	-2	...	...
...	41°33'0	-37°76'5	-5	M	...	...	38°312	+57°806	-1	...	...	...	34°746	-53°528	-4	M	...
32 ^I	S *	-41°28'4	+54°15'2	2°40	46.8013	8°0	...	-38°304	-31°514	-5	M	...	44 ^I	-34°733	-54°035	0°90	47.7715	10°0
*	41°26'1	+7°21'0	0°80	46.8008	10°0	...	38°269	-50°593	-5	M	...	...	34°598	-0°372	-3	α	...
...	41°24'7	+45°65'9	-3	...	...	*	38°257	+14°394	0°80	46.8015	10°0	...	34°576	-9°090	-5	M	...
...	41°24'1	-51°06'8	-5	M	...	...	38°224	-21°295	-3	...	...	...	34°562	-33°085	-5	M	...
...	41°23'3	+31°19'7	0°90	46.8009	9°8	...	38°204	-10°316	-4	M	...	...	34°514	+13°658	-4	...	...
...	-41°20'5	-27°78'8	-5	M	...	...	-38°194	-49°012	-5	M	...	...	-34°512	-21°300	0°70	...	...
...	41°14'0	+24°32'7	1°10	46.8010	9°2	*	38°069	+20°238	1°00	46.8016	9°4	*	34°463	-35°731	1°00	47.7717	9°5	
...	41°12'8	-42°12'4	-5	M	...	...	37°897	+36°077	-3	...	...	...	34°429	-26°719	-5	M	...
...	41°05'8	-56°83'9	-5	M	...	...	37°723	+37°323	-4	...	...	...	34°216	-3°366	-4	M	...
...	40°97'3	-34°57'6	-5	M	...	...	37°712	-55°481	-1	...	...	...	34°172	-37°440	-3	A	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
451-510																	
451	-34.063	+32.597	-4	o	...	511	-30.257	+13.933	-3	o	...	571	-26.436	+46.825	-4	o	...
...	33.924	-42.061	-2	...	...	...	30.245	+26.741	-5	...	...	...	26.343	-39.615	-1	47.7726	9.5
...	33.883	+19.663	-3	...	...	...	30.204	+16.287	-5	M	...	...	26.323	+52.126	-4	A	...
...	33.728	-22.098	-5	M	...	...	30.120	-5.030	-5	M	...	n*	26.321	-39.464	0.85	47.7726	9.5
...	33.622	-8.064	0.65	...	...	...	29.954	-28.657	1.10	47.7722	9.3	...	26.273	+40.544	0.75	...	...
...	-33.609	+25.545	-2	...	...	...	-29.761	+27.910	-5	...	...	*	-26.248	+35.029	0.90	46.8026	10.0
...	33.544	+54.678	-4	...	...	...	29.713	-35.773	-4	M	...	...	26.225	-48.009	-2	...	...
...	33.439	+48.459	-5	M	...	...	29.675	-45.845	-5	M	...	...	26.134	-47.986	0.90	47.7727	9.4
...	33.374	-30.779	-2	...	...	...	29.538	+26.067	-5	M	...	...	26.195	+24.777	-3	...	...
...	33.351	-11.768	-4	M	...	...	29.446	+58.294	-1	...	...	*	26.055	-7.011	1.20	47.7729	9.4
461	-33.313	+34.261	-5	M	...	521	-29.440	+12.765	-4	...	...	581	-26.045	-49.333	0.90	47.7728	9.6
...	33.278	-26.207	-5	M	...	...	29.203	-44.149	0.70	...	...	...	25.928	-3.513	-1	...	...
...	33.228	+28.225	-5	M	...	...	29.102	+32.666	-3	...	...	...	25.923	+16.889	0.65	...	...
...	33.196	+30.104	-3	...	...	*	28.967	+57.573	1.80	45.7962	8.2	...	25.917	+35.357	-2	...	...
*	33.153	-51.624	1.05	47.7718	9.4	...	28.956	-16.260	0.80	...	...	...	25.902	+4.357	-5	M	...
...	-33.136	+38.198	-5	...	...	...	-28.954	+15.812	-5	...	...	...	-25.871	+39.027	-4	...	...
...	33.123	-40.094	0.65	...	...	...	28.925	+24.013	-3	A	...	...	25.791	-6.502	-3	B	...
...	33.009	-32.710	-5	M	...	+	28.918	-39.974	1.00	47.7723	9.3	...	25.745	+31.128	-5	M	...
...	32.983	-26.515	-5	M	...	...	28.867	-19.435	-5	M	...	...	25.726	+26.683	-5	M	...
...	32.835	-2.778	-4	...	...	...	28.742	-54.464	-4	A	...	...	25.682	-46.850	-4	B	...
471	-32.695	+27.385	-3	...	...	531	-28.728	-31.794	-4	M	...	591	-25.478	+13.537	-4	...	...
...	32.626	+27.450	-5	...	...	*	28.725	+21.035	1.00	46.8023	9.3	...	25.398	+18.179	-5	...	...
...	32.586	+17.735	0.65	...	...	...	28.672	-31.872	-5	M	...	...	25.293	+32.840	-5	M	...
...	32.565	-29.725	-3	B	...	...	28.665	+56.361	-1	...	...	...	25.274	+29.215	-4	M	...
...	32.515	+29.658	-5	M	...	...	28.585	+25.871	-4	...	...	...	25.198	-46.933	-3	A	...
...	-32.479	+58.606	-5	M	...	...	-28.548	+25.901	-5	M	...	...	-25.196	-8.269	-5	M	...
...	32.471	+5.907	0.65	...	...	*	28.448	+47.660	1.00	46.8024	9.7	...	25.113	-52.454	-5	M	...
...	32.465	-48.776	-1	...	...	...	28.431	+41.622	-5	M	...	*	25.107	-5.255	0.95	47.7730	9.6
...	32.433	-49.678	-5	M	...	...	28.287	+50.745	-4	...	...	...	25.071	+16.072	-1	...	...
...	32.348	+9.806	0.65	...	...	...	28.141	-0.312	-4	M	...	+	24.981	+1.837	-4	...	...
481	-32.117	+13.862	-4	...	...	541	-28.095	+38.992	-1	...	...	601	-24.906	+37.760	-5	M	...
...	31.889	+37.743	-5	M	...	*	28.053	-9.124	0.90	47.7724	10.0	...	24.846	+6.540	0.70	...	...
*	31.850	-53.683	1.20	47.7719	9.2	...	28.022	-52.652	-4	D	...	...	24.769	+13.080	-2	...	...
*	31.708	+0.059	-3	α	...	...	27.984	+25.780	-3	...	...	...	24.740	+37.650	-5	...	...
*	31.643	+6.032	1.30	46.8021	9.0	...	27.976	-51.246	-4	B	...	+	24.621	-24.932	0.95	47.7731	9.4
...	-31.633	+28.508	0.65	...	...	...	-27.971	-44.809	-5	M	...	...	-24.604	+1.965	-4	...	...
...	31.613	+24.361	-3	...	...	...	27.809	-27.667	-4	M	...	*	24.456	+29.394	1.15	46.8027	9.2
...	31.570	-47.104	-5	M	...	...	27.784	+8.752	-4	M	...	...	24.404	+12.651	-3	...	...
...	31.544	-59.436	-5	M	...	...	27.730	+35.583	-4	...	...	...	24.296	-54.315	-5	M	...
...	31.447	+35.110	-2	...	...	...	27.706	-53.460	-1	...	...	*	24.111	+21.017	1.00	46.8028	9.5
491	-31.419	-21.173	0.70	47.7720	10.0	551	-27.702	+21.964	-3	...	...	611	-24.107	+34.522	-5	M	...
...	31.363	-35.760	-5	M	...	...	27.539	-45.791	-4	A	...	...	24.086	+55.140	-5	M	...
...	31.349	-6.435	-4	M	...	...	27.397	+8.257	-4	...	...	...	24.054	-15.387	-3	...	...
...	31.318	-1.313	-5	M	...	*	27.268	-45.325	1.00	47.7725	9.6	S*	23.980	-19.391	1.23	47.7732	9.0
...	31.104	+3.256	-3	...	...	...	27.104	-41.278	0.80	...	...	...	23.967	+31.593	-2	...	...
...	-31.020	+6.512	-5	...	...	...	-27.060	-20.965	-1	...	...	...	-23.960	+50.909	0.75	46.8029	10.0
...	30.989	-16.157	0.65	47.7721	10.0	...	27.027	-47.397	-1	...	...	...	23.855	+48.766	-5	...	...
*	30.973	+47.166	0.85	46.8022	10.0	*	26.997	+24.414	0.95	46.8025	9.8	...	23.521	-37.010	-4	M	...
...	30.827	-6.119	-5	M	...	...	26.953	-35.852	-5	M	...	...	23.485	+52.525	-4	...	...
...	30.739	-26.197	-4	M	...	...	26.897	-26.790	-1	...	...	...	23.441	+36.980	-5	M	...
501	-30.695	-39.706	0.65	...	...	561	-26.866	-41.711	0.70	...	...	621	-23.435	-25.112	-4	M	...
...	30.584	-3.818	0.65	...	...	...	26.792	+6.392	-4	M	...	...	23.401	-39.448	-4	M	...
...	30.499	+24.337	-5	M	...	...	26.779	-21.666	-1	...	...	...	23.386	-16.384	-4	...	...
...	30.495	-52.946	-5	M	...	...	26.734	-0.694	-4	M	...	...	23.368	-57.382	-5	M	...
...	30.453	+13.962	-4	...	...	...	26.731	-5.551	-4	M	...	...	23.240	+3.998	-5	M	...
...	-30.444	-12.147	-5	M	...	...	-26.652	+8.781	-4	M	...	...	-23.238	+48.504	0.70	...	...
...	30.370	+50.227	-3	...	...	...	26.603	-13.985	-5	M	...	...	23.235	+17.508	-3	...	...
...	30.343	-5.274	-5	M	...	...	26.565	-29.408	-2	...	...	...	23.187	-43.916	-4	M	...
...	30.331	-5.252	-4	...	...	*	26.500	+58.631	4.30	45.7969	6.8	...	23.177	-5.763	-5	M	...
...	30.310	+49.183	-4	...	...	...	26.458	-50.704	-2	...	...	...	23.095	+55.017	-4	...	...

572, 574. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
631-690																		
631	-23·043	+42·715	-2	o	...	691	-18·625	+2·629	0·90	46.8033	8·8	751	-14·055	+14·277	-4	o	...	
...	22·907	-41·740	-4	M	...	...	18·617	-23·670	-5	M	...	...	13·989	+33·427	-4	...	...
...	22·890	+23·120	-5	...	...	...	18·614	-57·029	-5	M	...	...	13·959	+33·332	-4	...	...
...	22·853	+19·218	-5	...	...	...	18·599	+53·068	-2	...	...	...	13·930	-25·096	-5	M	...
...	22·811	+34·163	-3	...	...	...	18·537	-40·246	0·65	...	...	...	13·826	-56·996	-4	M	...
...	-22·733	-44·809	-5	M	...	n*	-18·472	+2·774	1·20	46.8033	8·8	...	-13·803	-58·158	-5	M	...	
...	22·687	-13·616	-5	M	...	...	18·437	-5·019	-3	...	...	...	13·801	+38·578	-5	M	...
*	22·677	+3·421	1·50	46.8030	9·0	...	18·395	+51·060	-4	...	...	...	13·779	-15·280	-5	M	...
...	22·571	+6·243	-3	...	...	...	18·326	+43·756	-3	...	...	...	13·684	+9·733	-5	M	...
...	22·468	-22·910	-5	M	...	...	18·201	+34·295	-2	...	...	...	13·642	-1·460	-5	M	...
641	-22·466	-42·780	0·70	...	...	701	-18·198	-18·146	0·90	47.7738	10·0	761	-13·615	+13·557	-5	...	...
...	22·381	+7·552	-2	...	...	...	18·163	+28·362	-5	M	...	...	13·606	-48·178	-3	...	...
...	22·345	-31·597	-5	M	...	...	17·966	-48·555	-3	...	...	...	13·602	-32·042	0·65	...	...
...	22·084	+53·178	-4	...	...	...	17·829	-43·173	-1	...	...	...	13·490	-48·113	-5	M	...
...	22·057	+42·216	-5	...	...	...	17·780	-12·413	-4	M	...	...	13·478	+7·089	-5	M	...
N *	-22·023	-51·786	1·00	...	...	...	-17·555	+0·407	-3	z	...	...	-13·452	-30·755	-3	...	...
N	21·974	-51·824	0·65	47.7733	9·3	...	17·552	-52·840	-5	M	...	...	13·413	-58·702	-5	M	...
...	21·921	-27·225	-5	M	...	...	17·440	+20·593	0·65	...	...	...	13·350	-34·849	-3	A	...
...	21·915	+52·246	-5	M	...	...	17·440	-5·324	-3	...	...	...	13·339	-34·366	-1	...	...
...	21·793	-53·003	-5	M	...	...	17·337	+17·455	-4	...	...	...	13·245	+33·846	-3	...	...
651	-21·729	-56·861	-5	M	...	711	-17·308	-50·818	-5	M	771	-13·192	+28·506	-5
...	21·695	-21·341	-5	M	...	...	17·281	-58·815	-3	...	...	...	13·176	-48·978	-5	M	...
...	21·595	-10·083	-1	47.7734	10·0	...	17·227	-41·762	-4	M	...	...	13·158	-48·738	-5	M	...
...	21·559	-43·684	-5	M	...	...	17·219	-13·928	-4	M	...	...	12·962	+53·424	-5	...	...
...	21·432	-44·857	-4	M	...	...	16·950	-41·418	-4	M	...	...	12·946	-27·626	-3	...	...
...	-21·340	-16·311	-1	47.7735	10·0	*	-16·635	-2·464	0·90	46.8034	10·0	...	-12·753	+50·607	-5	...	...
...	21·214	-39·634	-5	M	...	...	16·623	+32·815	-3	...	...	...	12·750	+56·719	-5	M	...
...	21·089	-20·444	-3	...	...	...	16·618	-25·142	-2	...	...	S *	12·710	+44·370	2·85	46.8038	7·9
...	21·016	+20·252	-4	...	...	...	16·590	-44·196	-5	M	...	...	12·584	+44·411	-1	...	...
...	20·926	+46·934	0·70	...	...	...	16·352	+18·643	0·70	...	...	...	12·559	+41·599	-5	...	...
661	-20·907	-34·395	-5	M	...	721	-16·322	-47·790	-2	781	-12·517	-39·684	-5	M	...
...	20·874	-17·784	-5	M	16·317	-36·578	-4	M	12·445	+40·342	0·70	46.8039	10·0
...	20·747	-23·370	-5	M	16·315	-26·002	-2	12·440	+51·883	-5	M	...
...	20·543	+44·002	-3	16·256	-38·133	-4	M	12·360	+16·915	-5	M	...
...	20·538	-53·277	-5	M	16·025	-42·120	-4	M	12·271	+29·703	-4
...	-20·496	+59·558	-3	-15·885	-13·729	-1	-12·238	-44·206	-2	47.7740	10·0
...	20·461	-43·198	0·65	15·867	-32·843	-5	M	12·161	-46·893	-5	M	...
...	20·450	+33·022	-5	*	15·824	+37·346	1·00	46.8035	9·6	12·128	+42·925	-5	M	...
...	20·250	-2·993	-4	M	15·719	-31·096	-1	12·113	-57·068	-5	M	...
...	20·152	+43·693	-2	15·648	+56·733	-5	M	...	*	...	12·057	+21·706	1·05	46.8040	9·4
671	-20·147	-3·342	-4	M	...	731	-15·604	-19·332	0·85	47.7739	10·0	...	791	-12·051	+52·662	-5	M	...
...	20·121	+30·095	-4	15·551	-47·187	-3	A	11·833	+58·097	-5	M	...
†	19·912	+56·432	0·90	46.8031	10·0	...	15·445	+16·343	-4	M	11·810	+26·578	0·65
...	19·660	-10·109	-5	M	15·325	+47·275	-3	11·730	+35·147	-5	M	...
...	19·603	+21·196	-4	15·267	-20·064	-4	M	...	*	...	11·634	+56·866	1·00	45·7980	9·5
S *	-19·586	-56·216	1·50	47.7736	8·8	...	-15·150	+38·010	-3	-11·528	+32·146	-3
...	19·585	-53·508	0·70	15·147	+28·290	-5	11·508	-45·133	-5	M	...
...	19·531	-46·678	-2	15·144	-33·786	-4	M	11·506	-26·487	-5	M	...
...	19·523	+0·254	-3	z	15·129	-32·478	-5	M	11·459	-43·879	-3
...	19·521	+18·097	-5	M	15·117	-30·018	-5	M	11·446	+45·401	-5
681	-19·472	-38·603	-5	M	...	741	-15·017	-25·477	-5	M	801	-11·441	+51·089	0·70
...	19·457	+22·329	-4	15·012	+43·738	-5	11·386	-26·913	0·65	47.7741	10·0
...	19·451	+14·506	-3	14·979	+6·329	0·65	46.8036	10·0	11·354	-43·927	-2
...	19·431	-43·104	-4	M	14·952	-12·981	-2	11·193	+44·139	-5
...	19·193	-17·362	0·90	47.7737	10·0	...	14·935	-29·849	-4	11·167	+27·793	-5	M	...
...	-19·069	-37·866	0·80	-14·776	-56·964	-5	M	-11·156	-21·694	-3
N †	19·012	+49·814	0·90	46.8032	9·8	...	14·762	+32·073	-5	11·144	+36·790	-4
...	18·779	-8·687	-2	14·535	+45·821	0·65	11·137	-16·988	-5	M	...
...	18·764	-46·237	-4	M	14·313	+19·357	0·65	46.8037	10·0	11·005	-43·362	-3	A	...
...	18·682	-6·413	-3	A	14·123	-53·736	-3	A	10·962	+49·545	-5

646, 647. 48°·99, mass.

687. Obscured by fault; 2nd image measured and corrected.

691, 696. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
811-870																			
811	-10·914	+40·214	-5	M	...	871	-6·827	-43·797	-4	M	...	931	-2·346	-28·234	-3	...	...
*	10·912	-13·035	1·05	47·7742	9·4	...	6·547	+4·276	-4	...	...	...	2·341	-27·241	-5	M	...
...	10·851	-47·610	-5	M	...	...	6·515	+29·528	-3	...	...	*	2·273	+32·371	1·90	46·8047	8·6
...	10·841	-3·670	-5	M	...	...	6·377	-24·454	-1	...	...	...	2·128	+47·198	-5	M m	...
...	10·784	-19·020	-1	...	...	...	6·183	-17·390	-3	...	...	*	2·107	-28·179	1·00	47·7747	9·5
...	-10·562	+37·940	-5	...	...	...	-6·175	+47·424	-5	M m	...	...	1·878	+53·048	-4	...	...
...	10·545	-7·755	-5	M	...	...	6·012	-7·597	-3	...	...	...	1·772	-47·439	-4	M	...
...	10·524	+37·088	-4	...	...	...	5·942	+51·385	-5	M m	...	...	1·701	-31·987	-1	...	...
...	10·522	-41·572	-5	M	...	...	5·926	+35·214	-4	...	...	...	1·677	+34·981	-5	M m	...
...	10·408	-47·372	-5	M	...	...	5·891	+59·038	-4	...	...	...	1·639	+52·732	0·70	...	...
821	-10·377	+29·552	-5	...	...	881	-5·847	-40·032	-5	M	...	941	-1·622	-58·332	-3	M	...
...	10·320	+43·994	-4	...	...	...	5·785	-59·109	-4	M	...	...	1·493	-29·964	-5	M m	...
...	10·247	+7·432	-3	...	...	...	5·776	+44·692	0·75	...	...	...	1·251	+48·700	-5	M	...
...	10·207	+37·739	-5	...	...	...	5·666	+30·837	-5	M m	...	...	1·180	+5·726	-4	A m	...
...	10·184	+41·121	-5	...	...	...	5·620	+8·466	-2	...	...	...	1·174	+40·180	-2	...	...
...	-10·179	+11·539	0·85	46·8041	10·0	...	-5·542	+24·793	-5	M m	...	*	-1·070	+5·860	1·00	46·8048	9·5		
...	10·172	+15·463	-2	...	...	...	5·515	-3·411	-3	M	...	...	0·997	+13·001	-5	M m	...
...	10·153	-53·938	-2	...	...	...	5·315	-16·855	-5	M m	...	...	0·937	-56·998	-5	M m	...
...	9·758	+21·494	-3	...	...	...	5·201	-32·070	0·90	47·7744	10·0	*	0·909	+44·389	1·60	46·8049	8·6
...	9·709	-51·527	0·85	...	...	...	5·163	+28·095	-1	...	...	...	0·898	-33·524	-5	M	...
831	-9·694	+56·425	-4	...	...	891	-5·093	-26·252	-1	...	...	951	-0·882	+42·014	-1	...	...
...	9·575	-12·912	-5	M	...	...	4·696	+34·826	-5	m	...	...	0·873	-28·123	-5	M	...
...	9·448	-51·364	-1	...	...	...	4·665	-16·091	-5	M m	...	...	0·841	-48·243	-3	M	...
...	9·444	-16·217	-3	...	...	...	4·629	+55·791	-4	...	...	...	0·833	-32·316	-5	M	...
...	9·327	-27·846	-3	...	...	...	4·583	+18·665	-3	...	...	...	0·780	+45·933	-3	...	...
...	-9·141	+26·711	-1	...	...	...	-4·495	-18·297	-5	M m	...	...	-0·757	+14·573	-5	...	...
...	9·122	+58·525	1·80	45·7983	8·6	...	4·301	-49·250	0·80	47·7745	10·0	...	0·717	-52·788	-5	M m	...		
...	8·995	+40·808	0·85	46·8042	9·8	...	4·270	-30·923	-5	M	...	...	0·638	-6·849	-5	M m	...
...	8·918	-57·934	-5	M	...	...	4·246	+0·425	-2	α m	...	...	0·443	-46·853	-5	M	...
...	8·741	-20·182	-4	...	...	...	4·216	-59·419	-5	M m	...	*	0·417	-24·892	0·95	47·7748	9·6
841	*	-8·736	+55·107	1·00	46·8043	9·4	...	901	-4·169	+48·260	0·70	46·8045	10·0	*	-0·398	-31·904	0·85	47·7749	9·7
...	8·710	+9·623	-3	...	...	...	4·096	-38·044	-2	...	...	...	0·381	-54·495	-5	M m	...
...	8·631	-12·982	-4	M	...	...	4·067	-11·515	1·05	47·7746	9·6	...	0·245	+41·904	-1	...	...
...	8·582	+46·964	-3	...	...	...	3·999	-49·014	-4	M	...	...	0·225	+44·649	-3	...	...
...	8·506	+34·609	0·75	...	...	...	3·904	+8·222	-5	...	...	...	0·186	-46·442	-5	M	...
...	-8·480	-28·957	-1	...	...	...	-3·756	-51·566	-2	...	...	...	-0·088	+58·119	-3	...	...
...	8·462	-26·763	-3	...	...	...	3·614	-37·947	-2	...	...	*	0·046	-0·001	0·90	46·8050	10·0
...	8·437	+32·186	-2	...	...	...	3·514	+27·689	-5	M m	...	...	+0·182	+51·179	-5	M m	...
...	7·956	-38·402	-5	M m	...	...	3·458	+43·095	-5	M m	...	...	0·453	+21·093	-5	M m	...
...	7·858	+9·471	0·90	46·8044	9·6	...	3·408	-47·838	-5	M m	...	...	0·454	+7·223	-4	...	...
851	-7·831	+39·175	-4	m	...	911	-3·367	+31·871	-3	...	...	971	+0·643	+52·877	-4	...	...
...	7·813	+15·797	-3	...	...	...	3·364	+33·516	-3	...	...	...	0·693	-41·301	-4	M	...
...	7·767	+46·808	-3	...	...	...	3·263	-24·004	-5	M	...	...	0·716	+16·840	-2	...	...
...	7·611	-58·456	-1	...	...	...	3·197	-51·913	-5	M	...	*	0·738	-39·975	-4	M	...
...	7·600	-33·824	0·70	...	...	...	3·126	+24·955	-4	...	...	*	0·781	-41·866	1·10	47·7750	9·4
...	-7·596	-46·305	0·75	...	...	...	3·075	-48·470	-5	M m	...	...	+0·804	-23·049	0·80	...	...
...	7·535	+41·569	-4	...	...	...	3·010	+56·287	-4	...	...	...	0·841	+50·782	-3	...	...
...	7·533	+34·713	-3	...	...	...	2·999	-38·305	-4	M	...	...	0·892	-18·730	-5	M m	...
...	7·512	+58·256	-4	M	...	...	2·964	-29·226	-5	M	...	...	1·031	+58·940	-4	...	...
...	7·508	-10·426	0·80	...	...	...	2·906	+51·301	-5	M m	...	...	1·146	-51·340	-5	M	...
861	-7·255	+19·255	-5	M m	...	921	-2·821	+32·330	-5	m	...	981	+1·168	-13·058	-3	...	...
*	7·255	-35·069	0·95	47·7743	9·7	...	2·789	+4·154	-5	M m	...	...	1·174	-24·640	0·80	47·7751	10·0
...	7·216	-39·254	-3	...	...	...	2·761	+37·511	1·00	46·8046	9·7	...	1·175	-48·470	-5	M m	...
...	7·116	+57·454	-5	m	...	...	2·733	+48·596	-3	...	...	...	1·287	+53·326	-3	...	...
...	7·096	-49·325	-4	M	...	...	2·636	-57·920	-2	...	...	...	1·358	+4·529	-5	M m	...
...	-7·090	+28·996	-2	...	...	...	2·578	-41·760	-4	M	...	...	+1·412	-51·344	-1	...	...
...	7·069	+42·608	-2	...	...	...	2·559	-15·507	-5	M	...	...	1·463	+40·263	-4	m	...
...	7·015	-45·290	0·75	...	...	...	2·470	-15·413	-4	...	...	...	1·552	-34·730	0·75	...	...
...	6·887	-16·421	-5	M m	...	...	2·462	+47·578	-5	...	...	...	1·569	+48·036	-4	m	...
...	6·853	+56·611	-2	...	...	...	2·359	+2·705	0·65	...	...	...	1·591	+32·391	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.						
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.					
991-1050																						
991	+	1·645	-15·626	-2	o	1051	+	5·871	-47·907	-5	M m	1111	+	8·841	-50·456	-5	o M	...
...	+	1·743	-0·608	-4	M	...	...	...	5·985	+24·503	-3	...	...	*	8·844	+53·449	1·40	46·8057	8·9		
...	+	1·799	+50·699	-4	M m	...	...	...	6·013	+18·001	-3	...	...	...	8·880	-48·906	-5	M m	...		
...	+	1·807	-2·627	-4	...	...	...	...	6·014	+24·971	-4	...	...	...	8·897	+15·833	-5	m	...		
*	+	1·878	+32·849	0·85	46·8051	9·8	...	...	6·191	+47·432	-5	...	...	...	8·929	-19·023	-5	...	...	
...	+	1·985	+27·474	-5	M m	...	*	...	6·194	+56·223	1·60	46·8055	8·6	...	+	9·065	-46·369	-5	M	...		
...	+	2·183	+45·025	-1	...	...	...	...	6·196	-10·461	-5	M	...	†	9·159	+29·856	-5	...	...	
...	+	2·219	+32·105	-5	M m	...	...	...	6·327	+2·801	-5	M m	...	...	9·161	+40·193	-4	...	...	
...	+	2·238	+42·481	-5	M m	...	...	...	6·349	+45·550	-2	...	...	...	9·175	-2·582	-5	m	...		
...	+	2·271	+16·701	-5	M m	...	...	...	6·388	+15·051	-5	M m	...	...	9·225	-35·377	-5	...	...	
1001	...	+	2·424	-12·258	-4	M	6·403	+47·075	-4	+	9·397	+37·230	-2		
...	+	2·436	-57·556	-5	M m	...	...	...	6·421	-39·073	-5	M m	...	...	9·437	+6·788	-3	...	...	
...	+	2·491	+32·971	-4	...	...	...	...	6·496	+35·722	-5	M	...	...	9·445	+2·258	-5	...	...	
...	+	2·576	+32·044	-4	...	...	...	...	6·497	+33·744	-5	M m	...	...	9·452	-19·096	-4	...	...	
...	+	2·652	+6·823	-1	...	...	N*	[	6·584	+16·576	1·00	46·8056	9·3	...	9·478	-48·877	0·70	...	...	
...	+	2·656	+0·108	-5	M m	[6·610	+16·516	-2	M	+	9·513	+50·157	-5	m	...		
...	+	2·715	+38·482	0·70	...	...	...	...	6·609	+49·171	-5	m	...	...	9·526	+33·475	-4	...	...	
...	+	2·716	-4·385	-5	M m	...	...	...	6·656	+54·272	-4	m	...	...	9·544	+6·018	-3	...	...	
*	+	3·051	-19·777	1·00	47·7752	9·4	...	...	6·681	+30·828	0·65	...	...	...	9·555	+28·497	-5	m	...		
...	+	3·225	-28·807	-5	M	...	...	...	6·735	-43·629	-5	M	...	...	9·561	+43·822	-4	...	...	
1011	...	+	3·389	-16·942	-2	6·743	+17·114	0·70	+	9·567	+16·232	-3		
...	+	3·549	+9·138	0·85	46·8052	10·0	...	...	6·782	+50·538	-5	m	...	...	9·597	+6·108	-2	...	...	
...	+	3·552	-4·153	0·75	...	...	...	...	6·797	-24·942	-2	...	...	...	9·648	-52·202	-5	...	...	
...	+	3·554	+43·246	-5	M m	...	...	...	6·818	-43·884	0·65	47·7759	10·0	...	9·673	+30·694	-4	...	...	
...	+	3·557	-46·767	-2	...	...	...	...	6·911	-9·904	-5	...	...	...	9·713	+30·923	-4	...	...	
...	+	3·672	+48·134	-2	6·949	-34·330	-2	+	9·718	+28·653	-5		
...	+	3·721	-47·580	-3	...	...	...	...	6·954	+25·764	-4	M	...	...	9·811	+37·568	0·70	...	...	
...	+	3·784	-42·472	-4	M	...	...	...	7·017	+44·137	-3	...	...	...	9·903	+54·060	-5	m	...		
...	+	3·825	+36·073	-1	...	...	...	...	7·127	-11·851	-5	M m	...	...	9·940	-37·266	-5	...	...	
...	+	3·826	+3·778	-3	...	...	...	...	7·165	+35·507	-5	m	...	...	9·979	-9·741	-1	...	...	
1021	...	+	4·037	-14·108	-3	M	7·290	+25·731	-5	M	+	10·033	+30·469	-1		
...	+	4·053	+48·931	-5	M m	...	...	...	7·308	-26·517	-5	M	...	*	10·184	-26·224	0·90	...	...	
...	+	4·103	-4·168	-5	M	...	...	...	7·310	-47·270	-5	M m	...	*	10·187	+40·872	1·10	46·8058	9·3		
...	+	4·299	+45·283	-5	...	...	...	...	7·372	+27·335	-5	M	...	...	10·222	+40·791	-5	...	...	
†	+	4·300	-54·904	-5	M	...	...	...	7·442	-39·200	-4	M	...	...	10·247	+54·855	0·80	...	...	
...	+	4·352	+13·017	-4	M	7·558	+32·063	-5	M	+	10·334	+5·470	-5	m	...		
*	+	4·405	-24·862	0·95	47·7753	9·6	...	...	7·830	+48·862	-5	...	...	...	10·499	-20·645	-5	...	...	
*	+	4·444	+13·892	0·95	46·8053	9·7	*	...	7·851	+36·125	0·80	...	...	...	10·525	-2·171	-4	...	...	
*	+	4·573	-24·119	1·30	47·7754	9·4	...	...	7·855	+45·926	-3	...	...	...	10·573	+1·849	-4	...	...	
...	+	4·614	+32·558	-5	M m	...	...	...	7·877	+40·446	-4	...	...	...	10·587	+59·690	-5	...	...	
1031	...	+	4·695	+45·975	0·75	7·908	+32·505	-4	+	10·774	+58·499	-4		
...	+	4·761	+45·646	-3	...	...	...	...	7·942	+44·949	-5	m	...	...	10·850	+28·568	-4	...	...	
...	+	4·790	-5·799	-3	...	...	...	...	7·954	+32·963	-5	...	...	...	10·895	-21·326	0·75	...	...	
...	+	4·809	+28·205	-1	...	...	...	...	8·013	+19·038	-3	...	...	...	10·902	+12·067	-5	...	...	
*	+	4·826	-28·701	0·95	47·7755	9·8	...	...	8·017	-7·102	-2	...	...	...	10·924	-4·638	0·65	...	...	
...	+	4·858	+45·004	-2	8·076	-4·188	-5	M	+	11·009	+29·703	-4		
†	+	4·933	+31·679	-4	...	...	...	...	8·080	-36·031	-5	M	...	...	11·158	+7·424	-5	m	...		
...	+	5·065	-40·071	-4	M	...	*	...	8·225	-28·123	1·90	47·7760	8·6	...	11·232	-53·698	-5	m	...			
...	+	5·092	+26·197	-3	...	...	...	...	8·308	+39·419	-3	...	...	...	11·269	+16·891	-5	m	...		
...	+	5·123	+15·284	-5	...	...	...	...	8·331	+6·257	-5	m	...	...	11·291	+48·624	-1	...	...	
1041	...	+	5·256	-37·159	0·75	47·7756	10·0	...	8·355	+35·545	-3	+	11·339	-13·744	-5		
...	+	5·354	+42·468	-4	...	*	...	...	8·407	+16·657	0·90	...	...	...	11·346	+14·413	0·65	...	...	
*	+	5·438	-13·012	1·10	47·7757	9·4	...	...	8·502	+24·304	0·65	...	...	...	11·355	+7·464	-3	...	...	
...	+	5·439	+28·252	-2	...	...	...	...	8·507	+37·027	-5	...	...	...	11·467	-43·983	-4	...	...	
...	+	5·517	+32·442	-2	...	...	*	...	8·674	+18·755	0·85	...	...	...	11·654	-15·123	-4	...	...	
...	+	5·551	+48·436	-5	M m	8·750	-22·802	-5	+	11·674	-7·218	-5		
*	+	5·690	+50·307	0·80	46·8054	9·8	...	...	8·777	+51·698	-5	...	...	...	11·808	-45·538	-4	...	...	
...	+	5·707	-24·741	-5	M m	...	...	...	8·787	+14·277	-4	...	...	...	11·824	+28·796	-5	m	...		
†	+	5·807	-5·002	1·10	47·7758	9·4	...	...	8·818	+56·003	0·90	...	...	...	11·835	+11·800	-4	...	...	
...	+	5·862	+55·871	0·75	...	*	...	...	8·834	-7·022	0·80	...	...	...	11·862	+58·643	-4	...	...	

1065. Var. L = 8·8 - 10·0.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	
1171-1230																		
1171	+11·863	+50·225	-5	o	m	...	1231	+14·710	-53·362	-5	o	...	1291	+17·230	+43·684	-5	o	...
...	11·864	-8·731	-5	m	...	...	S †	14·715	-53·932	2·90	47·7765	6·9	...	17·278	-53·374	-4	m	...
...	11·906	-8·356	0·75	...	...	...	...	14·819	+8·378	-3	...	...	S *	17·343	-24·352	2·05	47·7769	8·0
...	11·974	+37·267	-4	...	...	...	...	14·841	+46·561	-5	m	...	...	17·389	+50·364	0·70	...	...
...	12·011	+8·227	-5	m	...	...	...	14·861	+27·572	-5	m	...	...	17·400	+45·582	-4	...	...
...	+12·104	-32·268	-5	m	...	...	†	+14·889	-21·565	-2	...	...	...	+17·451	-57·979	0·70	...	...
...	12·126	+7·950	-3	...	...	...	...	14·985	-14·863	-5	m	...	...	17·471	+50·764	-2	...	...
...	12·134	+10·915	-3	...	...	...	...	15·008	+57·103	-4	...	...	...	17·501	+21·977	-3	...	...
...	12·184	+17·344	-3	...	...	...	†	15·079	+44·811	-5	m	...	...	17·511	+21·607	0·80	...	...
...	12·207	+8·030	-5	m	...	...	*	15·088	+2·745	0·85	...	...	...	17·589	+43·419	-5	m	...
1181	+12·242	-56·822	-2	...	...	...	1241	+15·112	+52·531	-5	m	...	1301	+17·646	+36·302	-4	...	...
...	12·384	-15·602	-1	...	...	...	...	15·129	+47·667	-1	...	...	...	17·687	+21·708	-5	...	...
...	12·396	+15·208	-5	m	...	...	...	15·173	-39·620	-4	...	...	...	17·702	+23·143	0·65	...	...
...	12·574	+48·768	-4	...	...	...	...	15·203	+58·963	-4	...	...	...	17·857	+13·397	-5	...	...
...	12·581	+42·562	-5	...	...	...	...	15·205	+49·095	-5	m	...	...	17·918	+16·748	-5	...	...
...	+12·619	+10·018	-3	...	...	...	*	+15·229	-47·997	1·00	47·7766	9·6	...	+17·928	+33·143	-5	m	...
...	12·653	-35·605	-4	...	...	...	...	15·234	+26·154	0·70	...	...	...	17·971	-45·368	-2	...	...
...	12·661	+38·032	-5	m	...	...	...	15·247	+32·160	-5	m	...	...	18·099	-39·826	-4	...	...
...	12·693	-39·350	-4	...	...	...	...	15·265	+19·259	-5	...	...	...	18·101	+24·298	-5	...	...
...	12·735	-18·310	0·75	...	...	...	...	15·377	+43·881	-3	...	...	...	18·133	+4·337	-4	...	...
1191	+12·752	+45·880	-4	a	...	...	1251	+15·485	-30·209	-2	...	...	1311	+18·216	+44·431	-4	...	...
...	12·807	+53·141	-3	...	...	*	...	15·609	-24·748	0·75	...	...	...	18·229	-26·401	-5	...	...
...	12·897	-50·617	-3	...	...	*	...	15·635	-24·598	1·00	47·7767	9·4	...	18·240	-6·362	-5	...	...
...	12·958	+28·008	-4	...	...	*	...	15·732	+6·343	1·25	46·8060	9·2	...	18·295	-50·235	-4	...	...
...	12·962	+52·878	0·75	...	...	*	...	15·738	+1·478	1·00	46·8061	9·6	...	18·327	-45·94	-4	...	...
*	+12·968	+22·672	0·90	...	...	†	+15·810	+44·810	-5	...	...	...	+18·437	-53·471	-5	...	...
S *	13·032	+34·125	-2	...	...	*	...	15·827	-24·307	0·75	...	...	...	18·446	+15·776	-4	...	...
S *	13·038	+32·094	2·20	46·8059	7·9	...	...	15·879	+37·141	-3	...	...	...	18·454	+16·261	-5	...	...
...	13·092	-16·362	-2	...	...	...	...	15·959	+27·070	-5	...	...	...	18·460	+41·059	-5	m	...
...	13·135	+30·648	-2	...	...	...	...	15·997	-40·972	-5	...	...	...	18·521	+6·469	-4	...	...
1201	+13·162	-47·269	-5	m	...	...	1261	+16·085	+53·968	-4	...	...	1321	+18·526	+47·150	-5	m	...
...	13·216	+38·567	-5	m	...	...	...	16·110	-14·082	-2	...	...	...	18·591	+32·707	-5	m	...
...	13·247	+35·774	0·65	...	...	*	...	16·153	+39·217	1·90	46·8062	8·6	...	18·681	+15·826	-5	...	...
...	13·275	+3·687	-4	m	...	...	...	16·258	+57·547	-5	m	...	...	18·703	+39·020	-5	m	...
...	13·367	+29·271	-4	...	...	...	...	16·350	-0·208	-4	...	...	...	18·806	+15·525	-2	...	...
*	+13·396	-39·490	1·50	47·7763	8·9	...	...	+16·385	+48·245	-2	...	...	...	+18·813	-20·911	-1	...	...
...	13·427	-21·213	-3	...	...	...	...	16·397	-8·830	-4	...	...	...	18·943	+45·919	-1	...	...
...	13·525	+22·513	-3	...	...	...	...	16·423	+32·423	-4	...	...	...	19·070	+54·596	-4	...	...
...	13·573	-18·806	-4	...	...	...	...	16·424	-25·844	-4	...	...	...	19·103	+22·871	0·75	...	...
...	13·576	+31·459	-4	...	...	...	...	16·439	+39·347	-2	...	...	...	19·106	+53·515	-4	...	...
1211	+13·622	-3·461	-3	...	...	...	1271	+16·489	+36·438	-4	...	...	1331	+19·111	+23·403	0·65	...	...
...	13·704	+32·318	0·75	...	...	†	...	16·495	+9·933	0·85	...	...	...	19·115	+24·154	-5	...	...
*	13·740	+1·785	0·90	...	...	...	...	16·509	-23·319	-3	...	...	...	19·235	+27·587	-4	...	...
...	13·862	-50·949	-5	...	...	...	...	16·528	+51·832	-2	...	...	...	19·273	+55·600	-4	...	...
...	14·008	+21·742	-5	m	...	...	...	16·551	+12·753	-5	...	...	...	19·298	-53·641	-5	...	...
...	+14·013	+24·945	-4	...	...	...	...	+16·567	+34·151	-4	...	...	...	+19·374	+17·002	-3	...	...
...	14·112	-40·336	0·80	...	...	...	...	16·624	+47·256	-2	...	...	...	19·377	-10·485	-5	...	...
*	14·146	-20·735	0·95	...	...	...	...	16·627	+28·957	-5	...	...	...	19·400	+46·751	-3	...	...
...	14·155	+33·071	-3	...	...	...	...	16·650	-41·711	-3	...	...	...	19·404	+38·774	-3	...	...
...	14·177	+33·154	-3	...	...	...	...	16·809	-13·817	-3	...	...	...	19·470	+47·043	-5	...	...
1221	*+14·232	+14·272	1·00	...	...	...	1281	+16·862	+38·060	0·70	...	...	1341	+19·565	+10·721	-5	m	...
...	14·285	+53·161	0·70	...	...	...	...	16·876	+25·642	-3	...	...	...	19·633	-44·298	-1	...	...
...	14·335	+34·480	-4	...	...	*	...	17·083	+48·930	1·15	46·8063	9·2	...	19·710	+26·258	-3	...	...
...	14·354	-40·761	-1	...	...	...	...	17·103	+16·601	-5	...	...	...	19·713	-45·337	-4	...	...
*	+14·433	+32·721	-5	...	...	...	...	17·111	+14·603	-5	...	...	...	19·800	+24·152	-5	...	...
...	+14·484	-50·591	1·00	47·7764	9·6	...	...	+17·137	-44·816	-4	...	...	...	+19·850	+50·489	-5	...	...
...	14·547	-12·527	-4	...	...	...	...	17·167	+19·732	-4	...	...	...	19·918	+32·256	-1	...	...
...	14·620	-11·877	0·65	...	...	*	...	17·204	-52·057	1·10	47·7768	9·2	...	20·067	+15·185	-4	...	...
...	14·622	+36·015	-5	m	...	...	...	17·207	+20·938	-5	m	...	...	20·173	-54·668	-1	...	...
*	14·622	+5·019	0·90	...	...	...	...	17·218	+40·518	-5	m	...	...	20·174	-57·670	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
1351-1410																		
1351	+20°243	+40°113	0°90	°	...	...	1411	+23°780	+12°320	2°95	46.8067	7°4	1471	+26°535	-27°386	-5	°	...
...	20°323	+26°147	-3	...	...	...	...	23°803	+58°529	-4	...	...	...	26°552	+24°093	-5	...	...
...	20°393	-57°353	-3	...	...	...	...	23°857	-4°640	-3	...	...	...	26°668	+52°256	1°05	46.8077	9°6
...	20°437	+10°258	-4	...	...	...	...	23°873	+56°425	0°80	...	...	...	26°705	+58°877	-3	...	...
...	20°529	+25°131	-2	...	...	...	...	23°902	-49°827	-5	m	...	...	26°712	-53°218	-1	...	...
...	+20°591	-2°853	-4	...	...	...	...	+23°986	+24°205	-2	...	...	...	+26°967	-40°411	-2	...	...
...	20°607	+32°805	-2	...	...	...	...	24°008	-56°252	-3	...	...	...	26°986	+6°470	-2	...	...
...	20°648	-12°550	-5	...	...	...	...	24°039	+19°499	-4	...	...	...	27°059	-0°870	-5	...	...
...	20°666	+34°505	-4	...	...	...	...	24°054	-12°394	-5	...	...	...	27°068	+41°605	-5	...	...
...	20°700	+20°205	-5	m	...	...	...	24°188	+54°121	-2	...	...	...	27°108	+34°490	-5	...	...
1361	+20°730	+21°614	-1	...	...	...	1421	+24°191	+27°540	-5	m	...	...	+27°116	-48°921	-5	m	...
*	20°735	-43°810	1°00	47.7770	9°6	*	...	24°277	+41°034	1°20	46.8068	9°0	...	27°117	-9°940	-4	...	...
...	20°736	+56°299	0°80	...	...	...	...	24°327	-38°026	-1	...	...	...	27°224	+24°845	0°75	...	...
...	20°746	-19°235	-4	a	...	...	...	24°451	-7°241	-1	...	...	...	27°376	+8°377	-5	m	...
...	20°773	-55°465	-5	...	...	...	...	24°474	-49°847	-5	m	...	...	27°403	-38°927	-4	...	...
...	+20°841	+37°942	-5	m	...	...	...	+24°546	+41°779	-2	...	...	...	+27°405	+31°137	-4	...	...
...	20°847	+24°213	-5	...	...	...	...	24°561	+50°431	-5	m	...	...	27°419	-33°435	-5	...	...
...	20°996	-20°564	-4	...	...	...	...	24°566	-57°650	-5	...	...	...	27°428	-21°787	-5	m	...
*	21°070	+15°865	1°20	46.8064	9°0	...	...	24°628	-16°281	-4	...	...	...	27°437	+59°569	0°80	...	...
...	21°137	-49°546	-5	...	...	...	...	24°639	+37°155	-3	...	...	...	27°446	+7°260	1°10	46.8078	9°4
1371	+21°146	+17°956	-1	...	...	...	1431	+24°693	-40°890	-5	m	...	...	+27°455	+46°153	0°70	...	...
...	21°167	+26°139	-1	...	...	...	...	24°780	+9°343	0°65	...	...	...	27°628	+58°285	0°65	...	...
...	21°224	+0°205	-5	m	...	...	...	24°805	+31°352	1°70	46.8069	8°6	*	27°635	+14°621	1°00	46.8079	9°6
...	21°369	+6°943	0°90	...	...	...	...	24°839	+24°023	-3	...	...	...	27°652	+16°629	-5	...	...
...	21°439	+56°664	-3	...	...	...	...	24°846	+45°544	1°20	46.8070	9°0	...	27°680	+44°350	-5	m	...
...	+21°574	-34°177	-5	...	...	...	...	+24°871	-55°930	-3	...	...	...	+27°900	-32°866	-4	...	...
...	21°667	+41°092	-5	m	...	...	...	24°912	-46°838	2°20	47.7772	7°7	...	27°938	-46°186	-5	...	...
...	21°735	+25°651	-2	...	...	...	...	24°926	-32°639	-5	...	...	...	28°006	-56°840	-4	...	...
...	22°046	-41°204	-4	...	...	...	...	24°950	-8°728	-4	...	...	...	28°027	-13°573	1°05	47.7774	9°6
...	22°047	+22°910	-3	...	...	*	...	24°962	+12°194	1°10	46.8071	9°3	...	28°092	+23°224	-5	m	...
1381	+22°154	+47°984	-2	...	...	...	1441	+24°966	-17°345	-5	...	...	...	+28°152	-22°913	-4	...	...
*	22°352	-45°340	0°90	47.7771	9°6	...	...	25°018	-19°289	-1	...	...	...	28°255	-34°575	-5	...	...
*	22°451	+51°626	1°80	46.8065	8°6	...	...	25°039	+5°575	-3	...	...	...	28°255	-51°317	0°85	...	...
...	22°467	+46°956	-5	m	...	...	...	25°070	+42°836	-2	...	...	...	28°306	-52°092	-5	m	...
...	22°494	+43°669	0°80	...	...	*	...	25°115	+35°306	1°10	46.8072	9°3	...	28°331	-4°216	-3	...	...
...	+22°519	-37°799	-5	...	...	...	...	+25°168	-20°574	-3	...	...	...	+28°341	+2°060	-5	m	...
...	22°520	+12°967	-1	...	...	...	...	25°242	+23°818	0°65	...	...	...	28°377	+29°184	-4	...	...
...	22°520	-2°293	-5	...	...	...	...	25°327	-5°227	-3	...	...	...	28°482	-36°754	-4	...	...
...	22°524	+56°064	-4	...	...	...	...	25°333	-58°005	-3	...	...	...	28°511	+10°034	-3	...	...
...	22°690	+50°896	-5	...	...	*	...	25°421	-10°760	0°90	...	...	...	28°610	-19°338	-1	...	...
1391	+22°716	+24°218	-2	...	...	...	1451	+25°532	+45°421	-5	m	...	...	+28°688	+10°854	-4	...	...
...	22°748	+43°975	-4	...	...	*	...	25°559	-27°601	0°75	...	...	...	28°759	+16°678	-5	...	...
...	22°781	-37°196	-1	...	...	...	...	25°689	+27°588	-5	...	...	...	28°759	-8°989	-4	...	...
*	22°931	+49°974	0°90	...	...	...	...	25°703	-16°214	-3	...	...	...	28°762	-35°097	-5	...	...
...	22°944	+48°430	-5	m	...	...	...	25°710	-0°203	-5	m	...	...	28°799	+50°953	-5	m	...
...	+23°080	+45°742	-4	...	...	...	...	+25°726	-11°636	-4	...	...	...	+28°800	+39°945	-5	...	...
...	23°082	+47°014	-5	m	...	...	...	25°745	+19°467	-2	...	...	...	28°903	+45°089	-4	...	...
...	23°094	+28°754	-5	m	...	...	...	25°770	-28°294	-5	m	...	...	28°905	+15°896	-3	...	...
...	23°224	+22°690	-1	...	...	n*	...	25°782	+31°918	1°00	46.8073	9°5	...	29°035	+36°798	-5	...	...
...	23°239	-52°142	-1	...	...	...	...	25°810	+3°074	-3	...	...	...	29°039	+5°329	-5	...	...
1401	+23°242	+28°039	-5	m	...	...	1461	+25°882	+0°092	-5	m	...	...	+29°063	+45°114	-3	...	...
...	23°252	+51°264	0°65	...	...	*	...	25°993	+19°986	1°30	46.8074	9°0	...	29°157	-54°345	-4	...	...
...	23°489	-40°328	-4	...	...	n*	...	26°023	+31°775	1°00	46.8073	9°5	...	29°161	+27°687	0°80	...	...
...	23°514	-46°671	-2	...	...	...	...	26°026	+53°488	-3	...	...	...	29°218	+33°007	-2	...	...
...	23°538	+11°053	-4	...	...	...	...	26°046	+26°880	-5	...	...	...	29°373	+25°039	0°75	...	...
+	+23°560	+19°938	1°00	46.8066	9°4	α	...	+26°055	-0°132	1°30	46.8075	8°9	...	+29°420	+46°550	-3	...	...
...	23°615	+46°323	-3	...	...	...	...	26°088	-17°520	0°70	...	...	...	29°429	+33°251	-3	...	...
...	23°623	-52°572	0°85	...	...	...	...	26°287	+34°685	-5	m	...	...	29°430	+11°417	-5	m	...
...	23°652	+48°067	-5	m	...	*	...	26°315	+11°084	1°00	46.8076	9°4	...	29°431	+59°237	-5	...	...
...	23°707	+23°569	-1	...	...	...	...	26°454	+20°142	-5	m	...	...	29°746	-27°315	-3	...	...

1459, 1463. C.P.D., mass.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.
1531-1590																				
1531	+29.950	-47.100	-4	o	...	...	1591	+32.762	+22.229	-4	o	...	...	1651	+35.869	+39.401	-4	o	...
...	29.957	+13.746	-5	...	...	...	...	32.764	-27.891	-1	...	...	...	...	35.897	+42.235	-5	m	...
...	30.003	-36.853	-4	a	...	...	...	32.767	+25.780	-4	...	...	...	...	35.970	+39.578	-2	...	...
...	30.067	-42.914	-3	...	...	...	...	32.884	-37.356	-4	...	...	...	...	36.009	+22.167	-5	...	...
...	30.073	-54.716	-5	m	...	...	...	32.936	-6.861	-3	...	...	...	...	36.046	+33.103	-5	m	...
...	+30.097	-17.442	-2	...	...	...	...	+32.953	-57.116	-3	...	...	...	...	+36.088	+37.908	-4	...	...
...	30.132	-8.342	-5	...	...	...	...	32.985	+0.948	0.75	...	...	...	...	36.112	-16.311	-4	...	...
...	30.134	+17.889	0.65	...	...	...	...	33.119	+20.777	0.75	...	...	...	...	36.126	+10.052	-4	...	...
...	30.210	+57.143	-5	...	...	...	...	33.150	-36.452	-3	...	...	...	...	36.136	+17.209	-5	m	...
...	30.217	+50.991	-3	...	...	...	...	33.209	+47.885	-3	...	...	...	...	36.235	+55.650	-5	m	...
1541	* +30.265	+4.557	0.95	...	...	...	1601	+33.233	+59.114	-5	...	...	...	1661	+36.281	-17.710	-5	m	...
...	30.286	-56.146	-5	m	...	...	...	33.267	+39.561	0.75	...	...	...	...	36.288	+51.901	-5	m	...
...	30.329	-33.671	-4	...	...	...	...	33.343	+25.620	-2	...	...	...	...	36.293	+13.658	-4	...	...
...	30.450	+42.003	-5	m	...	...	...	33.487	+50.644	-4	a	...	...	...	36.310	+25.661	-5	...	...
...	30.563	+43.583	-5	...	...	...	...	33.487	+9.024	-4	...	...	...	...	36.362	+43.898	-5	m	...
...	+30.570	+28.563	-4	...	...	...	...	+33.610	-53.269	-5	m	...	...	...	+36.412	+37.795	-5	m	...
...	30.589	+43.187	-3	...	...	...	...	33.733	+42.141	-5	m	...	...	...	36.424	+53.747	-5	...	...
...	30.676	+53.619	-4	...	...	*	...	33.734	+13.239	-4	...	...	...	...	36.473	+50.193	-4	a	...
...	30.721	+47.611	-4	...	...	*	...	33.753	+46.379	0.90	...	...	*	...	36.486	-28.767	1.05	47.7777	9.4
...	30.740	+51.876	-3	...	...	...	...	33.756	-18.771	-1	...	...	...	...	36.494	+25.830	-3	...	...
1551	+30.745	-6.874	-2	...	...	...	1611	+33.776	+26.853	-3	...	...	...	1671	+36.644	-15.284	-3	...	...
...	30.758	+42.024	-3	...	...	...	...	33.807	-45.442	-3	...	...	...	...	36.676	+50.458	-3	...	...
...	* 30.806	-53.629	1.00	47.7775	9.6	...	...	33.825	+1.062	-3	...	...	...	...	36.713	+36.765	-3	...	...
...	30.858	+35.292	-4	...	...	...	...	33.899	-41.590	-4	...	...	...	...	36.720	+6.492	-4	...	...
...	30.917	+13.223	-5	m	...	...	...	33.962	+56.733	-5	m	...	...	...	36.728	-52.089	-4	...	...
...	+30.988	-25.602	-1	...	...	...	...	+34.024	+49.236	-5	...	...	...	...	+36.732	+14.728	-5	m	...
...	31.009	+55.082	0.85	...	...	...	...	34.037	+47.895	-4	...	...	...	...	36.777	+21.660	-5	...	...
...	31.056	-43.278	0.80	...	...	...	...	34.114	+27.715	0.85	...	...	...	...	36.867	-37.955	-3	...	...
...	31.113	+11.787	-5	m	...	...	...	34.118	-1.596	-3	...	...	...	...	36.876	-33.651	-3	...	...
...	* 31.145	-55.792	1.00	...	...	...	...	34.158	+25.874	0.80	...	...	...	...	36.876	+37.767	-5	m	...
1561	+31.161	-27.073	-5	...	...	...	1621	+34.255	+22.250	-5	m	...	...	1681	+36.911	-57.214	-5	...	...
...	31.275	+37.956	-4	m	...	...	...	34.313	+51.388	-5	m	...	...	...	36.937	-34.018	-5	m	...
...	31.298	+43.634	-4	...	...	...	...	34.493	+37.113	-4	...	...	...	...	36.952	+40.486	-5	...	...
...	31.346	+2.612	-4	...	...	...	...	34.552	-30.131	-3	...	...	...	...	37.088	+53.023	-5	...	...
...	31.359	+12.398	-4	...	...	...	...	34.555	+5.744	-4	...	...	...	...	37.100	+10.924	-5	m	...
...	+31.419	+36.805	-4	...	...	...	...	+34.563	-22.775	0.65	...	...	...	...	+37.101	-3.838	-5	...	...
...	31.493	+19.357	-3	...	...	...	...	34.565	+21.782	-5	m	...	...	...	37.112	+49.685	-5	m	...
...	31.499	+43.211	-5	m	...	...	...	34.628	-2.405	-1	...	...	...	...	37.116	+40.850	-4	...	...
...	31.537	-3.992	-4	...	...	...	...	34.747	-0.797	-4	...	...	*	...	37.186	-18.619	0.95	...	...
...	31.588	+11.034	-5	m	...	...	...	34.757	+35.529	-5	m	...	...	...	37.225	-39.232	-3	...	...
1571	* +31.672	-1.975	1.10	46.8080	9.2	...	1631	+34.797	+20.720	-4	...	...	...	1691	+37.235	+47.617	-5	m	...
...	31.729	-55.330	-5	...	...	†	...	34.798	+7.112	-4	...	...	...	...	37.295	+39.279	-2	...	...
...	31.760	+14.600	-5	m	...	...	...	34.962	+1.021	-4	...	...	...	...	37.333	-7.601	-5	m	...
...	31.810	+59.654	0.80	...	...	†	...	34.990	+57.134	1.80	45.8023	8.4	...	...	37.377	+22.639	-5	m	...
...	31.889	-44.871	-4	b	...	...	...	35.027	+48.356	-5	m	...	...	...	37.399	-58.435	-5	m	...
...	+31.992	+0.308	-5	m	...	*	...	+35.150	+7.624	0.85	46.8081	9.6	...	...	+37.425	+22.694	-4	...	...
...	32.011	+27.882	-5	...	...	...	...	35.181	-17.648	-5	m	...	...	...	37.426	-23.339	-4	...	...
...	32.021	+28.162	-4	...	...	...	...	35.188	-41.719	-3	...	...	*	...	37.458	-44.160	1.05	47.7778	9.5
...	32.038	+35.469	-2	...	...	...	...	35.222	-7.982	-3	...	...	...	...	37.526	+49.968	-3	...	...
...	32.049	+3.358	-5	m	...	...	...	35.231	-7.800	-3	...	...	...	...	37.563	+36.448	-5	...	...
1581	+32.097	+36.140	-5	m	...	†	...	+35.272	+19.834	-3	...	...	...	1701	+37.597	+22.287	0.70	...	...
...	32.261	-17.180	-1	...	...	...	...	35.358	-28.606	-4	...	...	...	...	37.618	+37.818	0.65	...	...
...	32.289	+38.184	-5	m	...	...	...	35.465	+18.983	-5	m	...	...	...	37.653	-42.624	-5	m	...
...	32.332	+53.821	-5	m	...	...	...	35.480	-8.580	-2	...	...	...	...	37.696	-30.662	-5	...	...
...	32.359	+23.628	-4	35.487	+30.836	0.65	S *	37.732	+43.351	1.90	46.8082	8.6
...	+32.382	+49.105	-5	m	...	...	...	+35.501	+18.419	-4	...	...	...	...	+37.788	+13.300	-5	m	...
...	32.488	+7.880	-4	...	...	...	...	35.654	+21.580	-5	...	...	...	...	37.953	+8.598	-5	m	...
...	32.505	-35.255	-3	...	...	...	...	35.746	+16.776	-3	...	...	...	...	37.986	-28.190	-5	...	...
...	32.511	+51.239	-5	m	...	...	...	35.847	+53.042	-5	m	...	...	...	38.015	-41.070	-5	m	...
...	32.546	+13.849	-5	m	...	...	...	35.868	+7.299	-2	...	...	...	...	38.058	-43.295	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1711-1770																	
1711	+38°091	+16°358	-5	o	...	1771	+40°921	+4°061	-1	o	...	1831	+43°895	-53°362	-1	o	...
...	38°194	+16°940	-5	...	...	...	41°001	-25°678	-3	...	...	...	43°960	-29°313	-2	...	...
*	38°270	+28°385	1°00	46.8083	9°6	...	41°003	+21°441	-3	...	...	...	44°033	+30°677	-4	...	...
...	38°369	-19°867	-5	...	...	...	41°010	+21°778	-2	...	...	...	44°197	-8°121	1°10	47.7783	9°2
...	38°389	-57°677	-1	...	...	...	41°013	+42°952	-2	...	...	...	44°348	+33°618	-4	...	...
...	+38°416	-46°317	-1	...	...	*	+41°027	+22°012	1°40	46.8088	8°8	...	+44°437	-45°686	-3	...	...
*	38°427	+47°741	1°15	46.8084	9°2	*	41°091	+8°441	0°90	46.8089	9°6	...	44°504	-55°786	-4	...	...
...	38°449	-33°763	-4	...	...	*	41°104	-57°899	1°00	...	...	...	44°523	+31°888	-3	e	...
...	38°469	+40°619	-3	...	...	...	41°109	-35°236	-3	...	...	*	44°596	+35°251	0°95	46.8091	9°6
...	38°490	+12°839	-5	m	...	...	41°184	+25°251	-4	m	...	*	44°700	+7°346	1°00	46.8092	9°4
1771-1830																	
1721	+38°656	+39°685	-4	...	...	1781	+41°188	+45°931	-1	...	...	1841	+44°786	+22°246	-5	...	...
...	38°708	-54°581	-3	...	...	...	41°222	+10°559	-3	...	...	...	44°811	+54°951	-2	...	...
...	38°721	-27°253	-5	...	...	*	41°314	-53°792	1°00	47.7781	9°6	...	45°067	-37°791	-5	...	...
...	38°734	-23°118	-5	m	...	...	41°412	+23°806	-3	...	...	...	45°129	-6°422	-5	...	...
*	38°763	-47°944	1°15	47.7779	9°5	...	41°441	+56°214	-5	...	...	...	45°208	-17°189	-4	...	...
...	+38°913	+26°062	-4	...	...	...	+41°480	+37°938	-4	...	...	...	+45°272	-49°489	-5	m	...
...	38°954	+46°674	-5	...	...	...	41°498	+45°023	-1	...	...	...	45°279	+36°492	-5	m	...
...	39°038	+3°912	-5	m	...	...	41°505	+16°546	0°65	...	...	...	45°293	+18°838	-5	...	...
...	39°060	-0°741	-4	...	...	*	41°686	+26°250	0°90	...	...	...	45°362	+10°566	-5	e	...
...	39°101	+29°319	-4	...	...	...	41°690	+5°197	0°70	...	...	...	45°374	-42°304	-5	e	...
1731-1851																	
1731	+39°304	+24°663	-4	...	...	1791	+41°833	+23°545	-5	m	...	1851	+45°466	+33°194	-1	...	...
...	39°317	-31°943	-2	...	...	...	41°859	-22°450	-4	...	...	...	45°467	-12°230	-3	...	...
...	39°324	+39°730	-5	m	...	*	41°894	-20°104	0°85	...	...	...	45°468	+50°556	-5	...	...
...	39°391	-34°219	-5	...	...	*	42°023	+51°092	1°00	46.8090	9°6	...	45°561	-4°847	0°70	...	...
...	39°406	+21°020	-5	...	...	...	42°091	-50°298	-2	...	...	...	45°584	-17°883	-5	...	...
...	+39°457	+16°940	-3	...	...	...	+42°116	+14°390	-1	...	...	...	+45°666	-20°806	-5	m	...
...	39°499	+32°300	-5	...	...	...	42°186	+44°900	-4	...	...	...	45°670	-32°828	0°65	...	...
...	39°524	+27°020	-5	m	...	...	42°186	+16°693	-2	...	...	...	45°677	+47°240	0°70	...	...
...	39°579	-29°892	-4	...	...	...	42°192	-44°368	-5	...	...	...	45°680	+30°468	-2	...	...
...	39°598	+53°331	-2	...	...	...	42°250	-14°893	-4	...	...	...	45°686	+49°828	0°65	...	...
1741-1861																	
1741	+39°697	-49°450	-2	...	...	1801	+42°332	-25°670	-5	m	...	1861	+45°779	+14°728	-3	...	...
*	39°711	+52°984	1°20	46.8085	9°3	...	42°347	+32°341	-3	...	...	...	45°788	-48°120	-5	...	...
...	39°738	+42°065	-3	...	...	...	42°347	-27°465	-5	...	...	...	45°882	+40°187	-5	...	...
†	39°764	-42°931	-4	...	...	...	42°412	+3°051	-5	m	...	...	46°205	-4°885	-3	...	...
...	39°782	+36°565	-1	...	...	...	42°413	+42°301	0°80	...	...	...	46°218	-48°827	-2	...	...
...	+39°877	-35°062	-5	...	...	...	+42°509	-6°491	-4	...	...	...	+46°241	-21°404	-5	...	...
...	39°908	-42°291	-2	...	...	...	42°591	+45°324	-3	...	...	...	46°321	+56°149	-1	...	...
...	40°032	-12°260	-5	m	...	...	42°682	-55°858	-5	e	...	...	46°442	-13°927	-3	...	...
...	40°063	+23°539	-5	...	...	...	42°821	+43°389	-5	...	...	*	46°522	+21°915	0°90	...	...
...	40°167	+55°373	-4	...	...	...	42°920	-10°359	-4	...	...	...	46°594	+45°667	-5	...	...
1751-1871																	
1751	+40°201	-0°334	-2	α	...	1811	+42°921	+49°857	0°90	...	...	1871	+46°609	+4°565	-4	...	...
...	40°233	+13°846	0°80	...	...	...	42°923	+22°565	-3	...	...	...	46°644	+55°085	0°80	...	...
...	40°234	+44°194	-5	m	...	...	42°991	-33°099	-5	m	...	...	46°646	-15°093	-5	e	...
...	40°312	+23°528	-4	...	...	...	43°039	-14°315	-2	...	...	...	46°798	+31°386	-3	...	...
...	40°341	+50°371	-2	...	...	...	43°097	-33°171	-4	...	...	...	46°858	+16°981	-5	...	...
...	+40°465	+53°768	-1	...	...	*	+43°113	+38°048	0°90	...	...	...	+46°897	+20°324	-5	...	...
...	40°539	-8°936	-5	m	...	...	43°137	+31°164	-5	m	...	...	46°993	-8°871	-3	...	...
...	40°566	+39°446	-5	...	...	†	43°144	-59°865	0°85	...	...	...	46°994	+40°401	-4	...	...
...	40°584	+0°049	0°80	...	...	*	43°167	+57°394	1°90	45.8034	8°2	...	46°998	-42°646	-5	...	...
...	40°605	+6°214	-3	...	...	...	43°374	+49°358	-2	...	...	*	47°051	+44°107	1°00	46.8093	9°5
1761-1881																	
1761	+40°610	+11°504	-3	...	...	*	+43°449	-52°380	1°10	47.7782	9°3	...	+47°183	+33°616	-5	...	...
...	40°637	+20°341	-4	...	...	...	43°482	-8°041	-5	m	...	...	47°217	-48°660	-1	...	...
...	40°656	+37°953	-5	...	...	...	43°485	-8°961	0°65	...	...	...	47°387	-2°853	-4	...	...
*	40°669	-2°418	1°20	46.8086	9°0	...	43°746	+58°531	-3	...	...	...	47°392	+28°381	-5	...	...
*	40°786	+7°888	0°90	46.8087	9°6	...	43°753	+47°812	-4	...	...	...	47°396	+20°823	-5	...	...
...	+40°804	-1°198	0°75	...	...	...	+43°788	-47°980	-5	...	...	...	+47°407	+32°640	-5	...	...
...	40°806	+41°647	-4	...	...	...	43°790	-15°463	-4	...	...	...	47°426	-17°915	-2	...	...
...	40°822	+33°385	-3	...	...	...	43°863	+37°191	0°75	...	...	†	47°441	-39°980	-5	...	...
...	40°838	+56°528	-5	...	...	...	43°872	-17°991	-2	...	...	...	47°501	-21°838	-4	...	...
...	40°918	+2°010	-5	m	...	...	43°895	+21°465	-5	...	...	*	47°549	-54°842	1°25	47.7784	9°2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1891-1950																	
1891	+47°563	-37°775	0°70	o	...	1951	+50°511	-37°834	-4	o e	...	2011	+53°336	-18°039	-2	o	...
...	47°597	+31°474	-5	m	...	...	50°646	-51°024	-4	...	...	...	53°434	-17°656	0°80	...	...
...	47°658	+31°345	0°80	...	...	*	50°678	+20°695	1°00	46.8097	9°5	...	53°444	+52°105	-1	...	...
...	47°660	+14°252	-5	...	...	...	50°806	+58°407	-5	...	...	...	53°471	+41°104	-4	...	...
...	47°673	-58°235	-5	e	...	...	50°828	+10°866	-3	...	...	...	53°471	-5°866	-5	...	...
...	+47°678	+43°367	-5	...	...	...	+50°885	+36°932	-5	...	...	...	+53°488	-16°925	-5	...	...
...	47°814	+20°498	-5	...	...	...	50°889	-45°449	-5	e	...	...	53°503	-32°635	-4	...	...
...	47°821	-26°754	-5	...	...	...	51°004	-44°168	-2	...	...	...	53°626	+48°937	0°90	...	...
...	47°839	-20°582	-5	m	...	...	51°164	+9°177	-3	...	...	...	53°689	+58°791	-3	...	...
...	47°848	+22°075	-5	m	...	...	51°220	+46°702	-2	...	...	...	53°778	+5°455	-3	...	...
1901	+47°958	+40°965	-5	...	...	1961	+51°329	+59°059	-5	...	...	2021	+53°832	-14°761	-5	m	...
...	47°973	+19°920	-3	...	...	...	51°332	+6°215	-4	...	...	...	53°871	+41°427	-4	...	...
...	47°977	+5°497	-3	...	...	*	51°344	+18°178	1°20	46.8098	9°0	...	53°922	+11°193	-5	...	...
...	48°065	-26°578	-2	...	...	...	51°421	+52°772	-3	...	...	...	53°934	+17°345	-4	...	...
*	48°088	+28°776	0°80	...	...	...	51°476	+24°910	-5	...	...	...	53°983	-9°886	-1	...	...
*	+48°127	+13°889	-3	...	...	...	+51°502	+31°945	-3	...	...	...	+54°007	-13°628	-5	e	...
*	48°258	+26°656	0°90	...	...	...	51°540	+18°298	-3	...	...	*	54°189	-30°584	1°30	47.779c	8·8
...	48°322	-4°474	-3	...	...	...	51°553	+32°912	-5	...	...	...	54°301	-40°586	-1	...	...
...	48°329	+42°939	-5	...	...	...	51°601	+10°191	-1	...	...	...	54°326	+4°539	-4	...	...
...	48°377	-8°752	-2	...	...	...	51°638	-26°166	0°75	...	...	...	54°340	+39°744	-3	...	...
1911	+48°401	+19°348	-4	...	...	1971	+51°671	-40°890	-2	...	...	2031	+54°445	-22°774	0°65	...	...
...	48°523	-18°228	0°65	...	...	...	51°685	+42°722	-2	...	...	...	54°492	+44°289	-4	...	...
...	48°578	+52°530	-5	...	...	...	51°706	-13°540	0°80	...	...	...	54°656	-15°105	0°70	...	...
S*	48°585	-52°431	1°40	47.7785	9°0	*	51°776	-7°348	1°00	47.7788	9°6	...	54°822	-7°067	-4	...	...
*	48°637	+4°088	1°00	46.8094	9°5	...	51°789	+29°000	0°90	...	...	...	54°826	+13°330	-5	...	...
...	+48°649	+23°768	-2	...	...	...	+51°804	+44°957	-5	m	...	...	+54°832	+18°722	-5	...	...
...	48°725	-15°468	-5	...	...	...	51°879	+37°671	-5	e	...	...	54°841	-25°602	-4	...	...
...	48°752	-27°229	-3	...	...	...	51°900	-19°146	-2	...	...	...	54°862	+10°374	-5	...	...
...	48°810	+39°923	-5	m	...	...	52°008	-9°711	0°65	...	...	...	54°898	+32°171	-5	...	...
...	48°865	+32°193	-4	...	...	...	52°011	+41°400	-3	...	...	...	54°954	+47°825	0°85	...	...
1921	+48°976	+10°567	-5	m	...	1981	+52°056	+37°267	-4	...	...	2041	+54°999	-31°065	-3	...	...
...	48°979	-7°559	-4	...	...	...	52°086	-31°685	-5	...	...	...	55°076	-34°876	-5	...	...
...	49°031	+10°616	-5	m	...	...	52°104	-19°826	-4	...	...	...	55°093	+30°592	-5	...	...
...	49°250	+8°394	-5	...	...	...	52°130	+40°517	-4	...	...	...	55°171	+19°720	-3	...	...
*	49°358	+40°783	1°20	46.8095	9°5	...	52°246	+40°412	-1	...	...	...	55°198	+31°370	-5	...	...
...	+49°440	+46°743	0°65	...	...	...	+52°249	+19°290	-4	...	...	...	+55°300	-50°954	-5	...	...
*	49°481	+4°121	1°35	46.8096	8°9	...	52°256	-22°147	0°70	...	...	...	55°323	+15°429	-4	...	...
...	49°515	-36°743	-5	e	...	...	52°361	+18°501	-3	...	...	...	55°421	+0°332	-5	m	...
*	49°549	-49°807	-5	...	...	...	52°399	+49°155	-5	...	...	...	55°470	-26°976	-4	...	...
*	49°599	-6°820	1°00	47.7786	9°6	...	52°563	+41°308	-5	...	...	...	55°705	-11°808	-5	...	...
1931	+49°600	+22°790	-5	...	...	1991	+52°608	+35°365	-1	...	...	2051	* +55°809	-12°127	1°25	47.7791	8·9
...	49°631	+30°861	-2	...	...	...	52°618	+41°620	-3	...	...	...	55°817	+22°419	1°00	46.8100	9·6
...	49°654	+40°415	-5	...	...	*	52°644	-3°783	-4	...	...	...	55°827	+25°248	0°70	...	...
...	49°750	-2°183	-5	...	...	*	52°669	+35°120	1°60	46.8099	8°9	...	55°837	+34°926	-4	...	...
...	49°767	+37°528	-4	...	...	...	52°669	-21°222	-4	...	...	...	55°870	+17°619	1°10	46.8101	9·3
†	+49°803	-16°304	0°80	...	...	...	+52°692	+47°435	-5	...	...	...	+55°877	+21°329	-3	...	...
†	49°828	+38°466	-1	...	...	...	52°711	+55°853	-4	...	...	...	55°959	-52°978	-5	...	...
...	49°899	+32°332	-4	...	...	...	52°736	-11°590	-3	...	...	...	55°996	+37°528	-5	...	...
...	49°912	+39°177	-2	...	...	...	52°781	+44°381	-3	...	...	...	56°020	+29°456	-1	...	...
...	49°966	-11°528	-4	...	...	...	52°804	-4°780	-2	...	...	...	56°121	-3°100	-4	...	...
1941	+50°080	+10°769	-3	...	...	2001	+52°857	-17°456	-1	...	...	2061	* +56°190	-15°365	0°95	47.7792	9·5
...	50°110	-2°958	-5	...	...	...	52°894	+9°531	-4	...	...	...	56°280	-50°007	-5	...	...
*	50°134	+21°122	0°90	...	...	...	52°922	+42°160	-3	...	...	...	56°304	-22°281	0°85	...	...
...	50°186	-33°653	-4	...	...	...	52°937	+44°515	-4	...	...	...	56°327	+9°374	1°15	46.8102	9·2
*	50°195	-7°252	0°90	47.7787	9°6	...	52°987	+10°628	-3	...	...	...	56°399	-19°287	-4	...	...
...	+50°197	-0°932	-4	...	...	...	+52°999	+42°206	-3	...	...	...	+56°625	+39°577	-5	e	...
...	50°204	+53°049	-5	...	...	...	53°007	-11°769	-3	...	...	...	56°629	+19°749	0°65	...	...
...	50°275	-25°698	-4	...	...	...	53°203	-35°288	-3	...	...	...	56°644	+36°091	0°65	...	...
...	50°433	-45°344	0°90	...	...	*	53°218	-52°930	1°00	47.7789	9°6	S*	56°649	-6°808	1°60	47.7794	8·6
...	50°503	+38°629	-4	...	...	...	53°262	-10°633	-4	...	...	...	56°687	+29°557	0°80	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
2071-2090																	
2071	... +56°725	+35°744	-5	m	...	2091	+58°149	-33°768	-4	o	...	2111	+59°092	-56°090	-5	o	...
*	56°755	-46°605	1°25	47.7795	9°6	...	58°292	+19°614	-5	m	...	*	59°158	-27°416	1°00	47.7797	9°6
...	56°935	+25°838	-5	...	...	...	58°358	+25°105	-5	m	...	...	59°214	+37°338	-5	...	...
...	56°954	+30°183	-4	...	...	...	58°359	+24°737	-5	...	...	...	59°233	+20°362	-3	...	...
*	57°073	+56°923	1°80	45.8047	9°0	...	58°379	+23°254	-5	m	...	...	59°242	-51°404	0°80	...	...
...	+57°107	+35°002	-5	...	...	*	+58°485	+31°718	1°05	46.8104	9°5	...	+59°325	+32°578	-5	...	...
...	57°189	+55°254	-5	...	...	...	58°491	+51°184	-5	...	...	...	59°496	-12°705	-3	...	...
...	57°607	-0°840	0°65	...	...	...	58°601	+23°462	-4	...	...	...	59°573	-23°768	-3	...	...
...	57°672	+46°809	0°85	...	...	...	58°635	-28°305	-4	...	...	...	59°592	-3°089	0°65	...	...
...	57°723	-32°987	0°85	...	...	...	58°650	+14°123	-2	...	...	...	59°609	+40°309	-2	...	...
2081	...	...	...	...	...	2101	...	...	...	...	...	2121	...	...	...	...	...
...	+57°729	+23°180	-4	...	...	N	+58°652	+13°600	-1	...	...	...	+59°655	-14°466	-3	...	...
...	57°775	+8°356	-4	...	...	...	58°713	+56°848	-5	...	...	...	...	...	...	...	...
...	57°813	-7°415	0°75	...	...	...	58°731	+29°184	-2	...	...	...	...	...	...	...	...
...	57°823	+41°565	-5	...	...	...	58°771	-30°687	-5	m	...	...	...	...	...	...	...
...	58°018	+54°153	-5	...	...	...	58°821	-38°010	-3	...	...	...	...	...	...	...	...
*	+58°019	+43°208	1°50	46.8103	9°2	...	+58°891	-39°491	-2	...	...	...	...	...	...	...	...
...	58°025	-18°667	-5	e	...	...	58°930	+57°980	-3	...	...	...	...	...	...	...	...
...	58°120	+9°516	-4	...	...	...	58°984	-12°713	-2	...	...	...	...	...	...	...	...
...	58°123	+25°931	-5	...	...	...	59°030	+52°786	-5	...	...	...	...	...	...	...	...
...	58°147	-48°128	-5	...	...	...	59°076	+18°454	-5	e	...	...	...	...	...	...	...

2101. Obscures 2nd image of 2100.

1-30						31-60						61-90					
I	-59°793	-20°376	0°95	o	...	31	-57°802	+55°959	-3	o	...	61	-55°605	+20°689	-5	o	...
...	59°745	-22°743	-5	...	...	...	57°730	+40°002	-5	...	...	...	55°602	-33°002	0°70	...	...
...	59°660	+36°943	0°80	...	...	...	57°634	+18°638	-5	...	...	...	55°602	-42°472	-4	E	...
...	59°613	-6°767	-5	...	...	...	57°620	+30°268	-2	...	...	...	55°433	-14°074	-3	...	...
...	59°612	-15°169	-4	...	...	†	57°427	+54°919	0°80	...	...	...	55°421	+52°414	-5	...	...
...	-59°365	-58°191	1°15	...	...	...	-57°425	-29°533	-2	...	...	...	-55°404	-21°567	-5	...	...
*	59°305	-54°090	1°20	47.7781	9°6	...	57°294	+10°376	-5	E	...	...	55°154	+28°666	0°90	...	...
...	59°273	+30°436	-5	...	...	*	57°196	-52°615	1°80	47.7782	9°3	...	55°150	-16°093	-5	E	...
...	59°250	+54°745	0°85	...	...	...	57°017	+14°551	-3	...	...	...	55°147	-33°513	-5	M	...
...	59°138	+21°227	-5	...	...	...	57°006	-48°173	-5	...	...	...	55°125	+14°131	-5	...	...
II	...	...	...	...	...	41	...	...	...	...	...	71	...	...	...	...	...
...	-59°103	-27°744	-5	...	...	...	-56°983	-6°615	-5	...	...	...	-55°049	-9°001	-2	...	...
...	59°076	-10°617	-5	...	...	...	56°738	-53°572	0°75	...	...	...	55°020	-48°266	-5	...	...
...	59°065	+33°388	-5	...	...	*	56°666	+43°945	1°10	46.8093	9°5	...	54°981	+19°810	-4	...	...
*	58°858	+35°026	1°05	46.8091	9°6	...	56°616	+40°239	-3	...	...	...	54°909	+26°549	0°95	...	...
...	58°839	-14°570	-2	...	...	...	56°604	-5°020	0°70	...	...	...	54°857	-2°975	-4	...	...
...	-58°821	+31°652	-4	E	...	...	-56°552	-17°364	-4	...	...	...	-54°645	+13°791	-3	...	...
...	58°726	-44°632	-5	...	...	...	56°524	+31°226	-3	...	...	...	54°568	-48°964	-4	...	...
...	58°643	-50°570	-1	...	...	*	56°496	+21°757	1°05	...	...	...	54°543	+19°250	-4	...	...
...	58°559	-9°200	0°80	...	...	...	56°472	-12°416	-2	...	...	...	54°531	+5°394	-3	...	...
...	58°247	+22°038	-5	...	...	...	56°440	-45°872	-1	...	...	...	54°502	+32°106	-4	...	...
21	...	...	...	...	...	51	...	...	...	...	...	81	...	...	...	...	...
...	-58°218	+49°622	0°90	...	...	...	-56°138	-18°064	-5	...	...	...	-54°438	+23°668	-2	...	...
...	58°177	-33°424	-5	...	...	...	56°078	+20°168	-5	...	...	...	54°393	+46°661	-2	...	...
...	58°158	+47°040	0°95	...	...	...	56°045	-37°965	-5	...	...	...	54°338	-18°024	-2	...	...
...	58°049	-15°693	-4	...	...	...	56°044	-55°974	-4	...	...	...	54°262	+40°708	1°40	46.8095	9°5
...	57°995	+29°043	-5	...	...	...	56°007	+16°831	-5	...	...	...	54°140	-21°948	-4	...	...
...	-57°914	+32°994	0°70	...	...	...	-55°966	-5°038	-2	...	...	...	-53°963	+40°342	-4	...	...
...	57°883	-18°214	-4	...	...	...	55°946	+32°500	-5	...	...	...	.53°868	-4°571	-2	...	...
*	57°862	+7°134	1°20	46.8092	9°4	...	55°845	+4°422	-4	...	...	*	53°817	+4°014	1°25	46.8094	9°5
*	57°862	-8°335	1°35	47.7783	9°2	...	55°674	+40°834	-5	...	...	...	53°803	+52°981	-5	...	...
...	57°855	-56°098	-5	E	...	...	55°650	+31°208	1°00	...	...	...	53°768	+37°465	-4	...	...

ES measured from I, 162, 322, 466, 662, 874, 1089, 1299, 1612, 1919, 2208, 2457.
MC " 72, 254, 378, 564, 768, 986, 1207, 1450, 1776, 2062, 2345, 2559.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
91-150																		
91	-53·722	+38·405	0·70	o	...	151	-50·689	+19·319	-4	o	...	211	-47·429	-52·831	1·15	47·7789	9·6	
...	53·688	+30·788	-1	...	...	...	50·665	+42·243	-3	...	...	...	47·307	+25·387	0·75	...	...
...	53·675	-8·831	-1	...	...	...	50·610	-37·841	-5	E	...	...	47·279	-6·950	-5	...	...
...	53·668	+39·100	-2	...	...	...	50·559	+18·525	-3	...	...	...	47·245	+29·594	-2	...	...
...	53·572	-37·871	0·90	...	...	...	50·541	+52·152	-2	...	...	...	47·224	+22·555	0·95	46·8100	9·6
...	53·567	-48·763	-4	...	...	...	50·498	+58·837	-3	...	...	...	-47·199	-14·990	0·70	...	...
...	53·478	+32·270	-4	...	...	...	50·444	-45·347	0·90	...	...	...	47·173	-22·663	0·65	...	...
...	53·453	+22·726	-5	...	...	161	50·312	-7·323	1·00	47·7788	9·6	...	47·162	-30·479	1·80	47·7790	8·8
...	53·433	-26·664	0·65	...	...	...	50·265	+48·990	0·90	...	...	...	47·124	+21·470	-3	...	...
...	53·378	+58·368	-5	...	...	...	50·186	-13·528	0·80	...	...	...	47·064	+57·083	1·80	45·8047	9·0
101	-53·333	+8·321	-5	M	...	...	-50·157	+41·148	-4	...	...	...	* -47·020	+17·753	1·15	46·8101	9·3
...	53·233	-18·306	0·70	...	...	...	50·042	-51·004	-4	...	...	...	46·962	+39·729	-5	E	...
...	53·118	-7·621	-4	...	...	...	50·017	-9·679	-1	...	...	...	46·904	+55·412	-5	...	...
...	53·117	-15·529	-5	...	...	...	49·997	-45·430	-5	E	...	...	46·845	+36·240	0·65	...	...
...	53·059	+38·588	-4	...	...	...	49·922	-44·152	-3	...	...	...	46·751	-40·473	-1	...	...
*	-53·032	-54·925	1·60	47·7784	9·2	...	-49·864	-26·142	0·80	...	...	...	-46·699	-25·465	-4	...	...
*	52·976	+4·068	1·70	46·8096	8·9	...	49·832	-19·112	-2	...	...	...	46·590	+29·713	0·90	...	...
*	52·871	+20·079	0·90	...	...	...	49·793	+41·486	-5	...	...	...	46·337	+35·176	-5	...	...
...	52·825	-58·319	-5	E	...	...	49·750	+9·596	-5	...	...	...	46·331	-30·935	-4	...	...
...	52·715	-27·294	-3	...	...	...	49·693	+10·685	-5	...	...	...	46·330	+30·354	-4	...	...
111	-52·626	+36·910	-5	...	...	171	-49·651	+35·394	-5	M	...	...	-46·330	+19·915	0·75	...	...
...	52·595	+46·676	-2	...	...	...	49·567	-3·748	-5	...	...	...	46·297	+9·531	1·15	46·8102	9·2
...	52·590	+10·733	-3	...	...	...	49·538	+52·064	-5	M	...	...	46·248	-11·659	-4	...	...
...	52·589	+52·753	-3	...	...	...	49·383	-22·102	0·70	...	...	...	46·227	+26·003	-5	...	...
*	52·504	-6·858	1·00	47·7786	9·6	...	49·382	-4·727	-3	...	...	...	46·153	+46·991	0·90	...	...
...	52·491	-2·230	-5	...	...	181	-49·361	-40·853	-3	...	...	...	-46·149	-34·730	-5	...	...
...	52·302	+20·666	1·10	46·8097	9·5	...	49·270	+44·374	-4	...	...	...	46·129	-11·976	1·60	47·7791	8·9
...	52·104	-0·965	-4	...	...	...	49·260	+39·831	-3	...	...	...	46·113	-2·946	-5	...	...
S *	52·076	-52·481	1·80	47·7785	9·0	...	49·260	-31·636	-5	...	...	...	46·057	+54·326	-4	...	...
...	52·012	-16·347	0·90	...	...	...	49·233	-11·533	-4	...	...	...	46·004	-26·825	-4	...	...
121	-52·010	+42·713	-2	...	...	...	-48·996	-21·167	-5	...	...	...	-45·820	+41·750	-5	...	...
...	51·997	-11·560	-4	...	...	...	48·959	-11·694	-4	...	...	...	45·686	+43·395	1·70	46·8103	9·2
*	51·901	-7·273	0·90	47·7787	9·6	...	48·949	+17·418	-3	...	...	...	45·650	-15·193	1·00	47·7792	9·5
...	51·845	+31·933	-4	...	...	...	48·928	-17·398	0·70	...	...	...	45·597	-19·788	-5	M	...
...	51·844	+10·853	-3	...	...	...	48·899	+47·922	0·90	...	...	...	45·476	+51·362	-5	...	...
...	51·657	+37·667	-5	E	-48·772	+11·274	-4	\$ *	+45·455	-6·631	1·90	47·7794	8·6
...	51·648	-36·771	-5	E	...	...	48·735	-10·561	-5	...	...	...	45·438	+57·056	-5	...	...
...	51·639	+24·903	-5	...	...	...	48·732	+5·539	-3	...	...	...	45·420	-50·793	-4	...	...
...	51·626	+41·403	-4	...	...	...	48·689	-5·787	-5	...	...	...	45·385	+34·694	-5	M	...
*	51·561	+18·183	1·60	46·8098	9·0	...	48·459	+32·272	-5	...	...	...	45·333	+23·374	-4	...	...
131	-51·494	+49·178	-5	...	...	191	-48·434	-17·958	-2	...	...	...	-45·324	-19·106	-3	...	...
...	51·462	+9·173	-4	...	...	...	48·342	-17·570	0·80	...	...	...	45·319	-22·108	1·00	...	...
...	51·455	+54·772	-5	...	...	...	48·312	-16·842	-5	...	...	...	45·252	+58·205	-1	...	...
*	51·455	+29·011	0·85	...	...	...	48·206	+30·704	-4	...	...	...	45·046	+26·134	-5	...	...
...	51·444	+37·270	-3	...	...	...	48·161	+4·637	-5	...	...	...	44·859	+31·943	1·00	46·8104	9·5
...	51·418	+55·864	-4	...	...	201	-48·142	+2·580	-5	M	...	...	-44·831	+8·558	-5	...	...
...	51·373	+18·297	-3	...	...	...	48·132	+31·473	-4	...	...	...	44·701	-0·635	0·65	...	...
...	51·367	+40·421	-1	...	...	...	48·101	+18·830	-4	...	...	...	44·685	-52·803	-5	...	...
...	51·239	-25·720	-4	...	...	...	48·045	-9·791	-3	...	...	...	44·538	+29·407	-1	...	...
...	51·213	+59·857	-1	...	...	...	48·019	-35·211	-4	...	...	...	44·522	+9·740	-3	...	...
141	-51·202	+6·215	-5	...	...	...	-47·935	+13·432	-5	...	...	...	-44·487	+23·685	-4	...	...
...	51·153	+47·462	-5	...	...	...	47·900	-13·532	-5	E	...	...	44·473	-49·802	-4	...	...
...	51·073	-33·670	-5	...	...	...	47·797	+19·829	-3	...	...	...	44·311	+37·579	-4	...	...
...	51·047	+10·196	0·65	...	...	...	47·795	-32·547	-4	...	...	...	44·287	-7·197	0·90	...	...
...	51·045	+41·644	-3	...	...	...	47·794	+10·481	-5	...	...	...	44·162	+31·503	-5	M	...
...	-50·953	+44·421	-4	...	...	...	-47·606	+35·054	-3	...	...	...	-44·144	+14·355	-2	...	...
...	50·842	+35·390	-1	...	...	...	47·528	+37·662	-5	...	...	...	44·121	+13·832	-3	...	...
...	50·802	+44·554	-4	...	...	...	47·506	+15·536	-5	...	...	...	44·085	-46·386	1·00	47·7795	9·6
*	50·766	+35·149	1·70	46·8099	8·9	...	47·470	-52·424	-5	...	...	...	44·054	+32·812	-4	...	...
...	50·763	+42·190	-3	...	...	...	47·457	-51·917	-5	M	...	...	44·021	+40·557	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-3.	No.		x.	y.		-3.	No.		x.	y.	-3.	No.	Mag.
271-330																	
271	-43° 8' 59"	+18° 6' 94"	-5	° E	...	331	-39° 5' 03"	+22° 6' 99"	-1	°	...	391	-34° 1' 78"	+15° 8' 36"	-5	°	...
...	43° 7' 70"	+20° 5' 98"	-3	...	...	...	39° 0' 53"	-15° 4' 88"	-5	M	...	...	33° 9' 95"	-21° 3' 17"	0.80	...	...
...	43° 7' 08"	-18° 4' 35"	-5	E	...	...	38° 7' 96"	-27° 8' 07"	-4	...	...	...	33° 9' 82"	+37° 5' 90"	-4	...	...
*	43° 5' 58"	-32° 7' 58"	0.95	...	...	...	38° 7' 59"	+31° 5' 35"	0.80	...	...	...	33° 9' 68"	+37° 8' 93"	0.65	...	...
...	43° 5' 52"	+53° 0' 37"	-1	...	...	...	38° 7' 33"	-59° 3' 42"	-5	M	...	...	33° 8' 89"	-11° 7' 15"	-3	...	...
...	-43° 5' 15"	+51° 1' 10"	-4	...	...	...	-38° 6' 83"	-54° 7' 50"	-3	...	...	...	-33° 8' 78"	+21° 4' 55"	-5	...	...
...	43° 1' 15"	-33° 5' 22"	-3	...	...	...	38° 4' 15"	+10° 2' 85"	-4	...	...	...	33° 8' 59"	-1.972	-1	...	...
...	43° 1' 06"	+53° 3' 96"	-4	...	...	...	38° 3' 73"	+44° 4' 76"	-5	...	...	...	33° 8' 42"	+56° 0' 26"	-5	M	...
...	43° 0' 08"	+57° 4' 50"	-5	...	...	...	38° 2' 60"	-15° 4' 39"	-5	...	...	...	33° 8' 13"	+19° 3' 60"	-4	...	...
...	42° 9' 48"	-12° 4' 58"	-1	...	...	...	38° 2' 03"	-49° 5' 12"	-4	...	...	...	33° 7' 19"	-44° 0' 73"	0.65	...	...
281	-42° 8' 53"	+56° 4' 99"	-3	...	...	341	-38° 1' 99"	+46° 9' 32"	-5	...	...	401	-33° 5' 86"	+22° 9' 20"	0.70	...	...
...	42° 8' 28"	+52° 7' 84"	0.90	...	...	...	38° 1' 12"	+49° 4' 82"	-4	...	...	...	33° 5' 01"	+37° 0' 26"	-1	...	...
...	42° 8' 17"	-28° 0' 46"	-4	...	...	...	38° 0' 73"	-33° 9' 34"	0.65	...	...	...	33° 2' 74"	+34° 6' 52"	-5	M	...
...	42° 6' 59"	-47° 8' 71"	-5	...	...	...	37° 9' 68"	-17° 1' 29"	-5	...	...	...	33° 1' 45"	-28° 6' 06"	-5	...	...
...	42° 6' 43"	-2° 8' 19"	-1	...	...	†	37° 7' 02"	+54° 9' 25"	-4	...	...	...	33° 0' 37"	-46° 5' 33"	-4	...	...
...	-42° 5' 34"	+54° 7' 92"	-5	M	...	...	-37° 6' 87"	+43° 7' 98"	-5	...	...	...	-32° 9' 38"	-42° 0' 25"	-5	...	...
...	42° 4' 71"	+36° 7' 57"	-1	...	...	...	37° 4' 61"	+36° 4' 76"	-3	...	...	...	32° 8' 67"	+57° 5' 17"	-2	...	...
...	42° 4' 38"	-12° 4' 32"	-3	...	...	...	37° 3' 53"	+2° 9' 97"	-4	...	...	...	32° 8' 27"	-50° 1' 54"	-5	M	...
...	42° 4' 17"	+43° 0' 98"	-4	...	...	...	37° 3' 43"	+44° 2' 83"	-5	M	...	...	32° 7' 59"	-11° 1' 57"	0.80	...	...
...	42° 3' 83"	+16° 0' 31"	-3	...	...	...	37° 3' 32"	+18° 2' 26"	-5	...	...	*	32° 7' 49"	+47° 2' 59"	1.00	46.8109	9.6
291	* -42° 3' 02"	-27° 1' 49"	1.00	47.7797	9.6	351	-37° 2' 94"	+33° 0' 68"	-5	...	...	411	-32° 5' 65"	+20° 5' 45"	-5	...	...
...	42° 3' 01"	-37° 7' 34"	-3	...	...	...	37° 2' 47"	+52° 0' 86"	-2	...	...	...	32° 5' 50"	+9° 8' 25"	1.90	46.8108	8.9
...	42° 2' 57"	+13° 0' 23"	-4	...	...	...	36° 9' 14"	+12° 3' 49"	-2	...	...	...	32° 5' 36"	+19° 1' 38"	-5	...	...
...	42° 2' 08"	-14° 1' 83"	-4	...	...	...	36° 8' 29"	+45° 9' 75"	-5	M	...	...	32° 5' 03"	-50° 0' 80"	-4	...	...
...	42° 1' 89"	-39° 2' 16"	-2	...	...	...	36° 7' 62"	+33° 5' 54"	-4	...	...	...	32° 4' 70"	+33° 1' 63"	-5	...	...
...	-42° 1' 32"	+47° 3' 15"	-1	...	...	...	-36° 6' 48"	+37° 6' 11"	-5	...	...	...	-32° 4' 70"	+26° 0' 73"	-2	...	...
S *	42° 1' 05"	-36° 5' 23"	-5	M	...	...	36° 5' 59"	+58° 4' 61"	-1	...	...	...	32° 4' 10"	-23° 6' 81"	-4	...	...
42° 0' 55"	+16° 0' 04"	2.75	46.8105	7.7	...	...	36° 4' 70"	+25° 8' 28"	-5	...	...	...	32° 4' 07"	+31° 0' 11"	-5	...	...
41° 9' 96"	-23° 4' 89"	-2	...	...	...	...	36° 4' 23"	+3° 7' 10"	-3	...	...	...	32° 3' 93"	-10° 1' 51"	-4	...	...
41° 8' 41"	-35° 6' 79"	-5	M	...	...	...	36° 4' 19"	-30° 6' 19"	-5	...	...	...	32° 2' 92"	-6.531	1.60	47.7806	8.8
301	-41° 6' 35"	-16° 0' 35"	-5	...	...	361	-36° 3' 84"	+42° 5' 68"	0.70	...	...	421	-32° 2' 88"	+45° 6' 84"	-3	...	...
...	41° 4' 64"	-55° 8' 07"	-5	...	...	...	36° 2' 85"	-31° 0' 19"	1.10	47.7801	9.6	...	32° 2' 79"	+37° 7' 99"	-4	A	...
...	41° 4' 61"	-51° 1' 09"	0.80	...	...	...	36° 2' 82"	+41° 6' 87"	-5	M	...	...	32° 2' 62"	-2° 4' 51"	-5	...	...
...	41° 3' 86"	-4° 0' 50"	-4	...	...	...	36° 2' 37"	+23° 2' 40"	-4	...	...	...	32° 1' 55"	-54° 7' 31"	0.85	...	...
...	41° 1' 15"	-15° 6' 64"	-4	...	...	...	36° 2' 29"	-28° 2' 93"	1.30	47.7802	9.3	...	32° 1' 11"	-58° 8' 35"	-4	...	...
...	-41° 1' 07"	+17° 0' 64"	-4	...	...	...	-36° 1' 84"	-40° 0' 09"	-5	M	...	...	-32° 0' 51"	-3° 3' 42"	-5	...	...
...	40° 8' 82"	-29° 8' 01"	-5	M	...	...	36° 1' 71"	+18° 8' 28"	-5	...	...	...	32° 0' 19"	+26° 2' 83"	-3	...	...
...	40° 8' 06"	+37° 2' 99"	-4	...	...	...	36° 1' 48"	+27° 0' 87"	-5	...	...	...	32° 0' 10"	+47° 2' 18"	-4	...	...
...	40° 6' 97"	+30° 3' 48"	-5	...	...	...	35° 5' 37"	+18° 7' 18"	1.15	46.8106	9.4	...	31° 9' 95"	+31° 8' 70"	0.85	...	...
...	40° 6' 86"	+26° 8' 60"	-3	...	...	...	35° 5' 70"	+47° 4' 74"	-3	...	...	...	31° 9' 84"	+50° 5' 62"	-4	A	...
311	-40° 6' 71"	+23° 3' 27"	-3	...	...	371	-35° 5' 65"	+58° 5' 94"	-5	...	...	431	-31° 9' 83"	-43° 5' 46"	-2	...	...
...	40° 6' 66"	+23° 1' 75"	0.75	...	...	...	35° 5' 27"	-21° 8' 56"	-3	...	...	...	31° 9' 63"	+23° 1' 35"	-5	...	...
...	40° 5' 62"	-11° 3' 48"	-1	...	...	...	35° 5' 05"	-11° 3' 10"	-5	...	...	...	31° 8' 89"	-13° 5' 80"	1.10	47.7807	9.3
...	40° 5' 43"	+2° 4' 00"	-4	...	...	...	35° 4' 55"	-43° 8' 10"	1.10	47.7803	9.6	...	31° 8' 70"	+37° 6' 21"	-3	...	...
...	40° 4' 99"	+36° 7' 84"	-4	...	...	...	35° 4' 34"	+20° 4' 12"	0.85	...	...	...	31° 8' 53"	+19° 2' 25"	0.70	...	...
...	-40° 4' 24"	+27° 8' 54"	0.75	...	...	...	-35° 2' 96"	+35° 6' 76"	-4	...	...	...	-31° 8' 18"	+23° 1' 69"	-4	...	...
...	40° 3' 72"	+35° 5' 72"	-4	...	...	†	35° 1' 32"	-43° 8' 83"	-4	...	...	...	31° 7' 97"	-11° 5' 04"	-4	...	...
*	40° 3' 49"	-59° 1' 73"	1.20	47.7798	9.5	...	34° 9' 72"	+50° 3' 03"	-2	...	...	...	31° 6' 93"	+27° 3' 43"	-5	...	...
...	40° 3' 08"	+43° 4' 88"	0.90	...	...	...	34° 8' 05"	+28° 2' 72"	0.70	...	...	...	31° 6' 84"	-22° 9' 91"	-5	...	...
...	40° 1' 84"	-4° 2' 65"	-4	...	...	...	34° 7' 99"	-12° 1' 70"	1.60	47.7805	8.9	...	31° 5' 77"	-25° 9' 01"	0.70	...	...
321	† -40° 0' 59"	+33° 1' 46"	0.65	...	...	381	* -34° 7' 93"	-58° 8' 19"	1.50	47.7804	9.0	...	-31° 5' 62"	-17° 5' 39"	-3	...	...
...	39° 9' 47"	+35° 8' 48"	-3	...	...	...	34° 7' 27"	-2° 9' 96"	0.90	...	...	...	31° 5' 62"	-22° 9' 03"	-4	...	...
...	39° 9' 44"	+29° 6' 96"	-1	...	...	...	34° 7' 22"	+47° 7' 98"	-5	...	...	...	31° 5' 39"	-40° 4' 45"	-5	M	...
...	39° 9' 08"	+52° 0' 82"	-5	...	...	...	34° 5' 47"	+26° 5' 89"	-1	...	...	...	31° 5' 32"	-0.816	-4	...	...
...	39° 8' 71"	-50° 9' 07"	-5	M	...	...	34° 4' 20"	+57° 1' 47"	1.00	...	...	...	31° 3' 82"	+20° 7' 80"	-4	...	...
*	-39° 7' 98"	-34° 6' 85"	1.30	47.7799	9.2	...	-34° 3' 59"	-23° 5' 91"	-2	...	...	...	-31° 2' 72"	+4° 9' 34"	-4	...	...
...	39° 7' 10"	-41° 2' 08"	-3	...	...	...	34° 3' 24"	-2° 0' 34"	1.00	46.8107	9.5	...	31° 2' 18"	+46° 0' 34"	-5	M	...
...	39° 6' 61"	+38° 8' 75"	0.75	...	...	...	34° 3' 19"	+39° 2' 00"	-5	...	...	...	31° 1' 82"	+53° 7' 75"	-3	...	...
...	39° 5' 70"	+22° 0' 43"	0.65	...	...	...	34° 1' 86"	+49° 4' 20"	-5	...	...	†	31° 0' 94"	+34° 9' 09"	-5	...	...
...	39° 5' 20"	+22° 5' 46"	-5	...	...	...	34° 1' 83"	+24° 6' 78"	0.75	...	...	...	31° 0' 83"	-35° 6' 61"	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
451-510																	
451	-30°957	-17°198	-5	o	...	511	-28°011	-1°226	-3	o	...	571	-24°636	-46°205	-2	o	...
...	30°953	-28°017	0°65	...	...	...	27°949	+4°137	-3	...	...	...	24°630	+12°594	-4	...	...
*	30°896	+59°599	1°00	45.8058	9°6	...	27°903	-15°743	-5	...	...	...	24°575	+59°236	-3	...	...
*	30°844	-30°481	1°00	...	...	...	27°787	-1°335	-5	M	...	...	24°572	+27°347	-5	...	...
...	30°740	-39°020	-3	...	...	...	27°777	+28°034	-4	...	...	...	24°567	+25°113	-1	...	...
...	-30°696	+34°325	-4	...	...	...	27°622	+26°234	-5	...	...	...	-24°534	+50°369	-5	...	...
...	30°641	+18°306	-5	...	...	...	27°616	+26°076	-4	...	...	...	24°525	+19°532	-3	...	...
...	30°441	+47°500	-5	M	...	...	27°579	+27°365	-5	...	...	*	24°518	-34°733	1°00	47.7812	9°5
...	30°433	+20°357	-5	...	...	...	27°579	-12°172	-1	...	...	...	24°441	+3°446	-5	M	...
...	30°426	-8°745	-4	...	...	...	27°526	+37°021	-5	...	...	...	24°402	-18°072	0°80	...	...
461	-30°422	+57°781	-2	...	...	521	-27°519	-35°563	-5	...	...	581	-24°376	+38°216	-5	...	...
...	30°416	-4°036	-5	...	...	...	27°468	-7°579	-4	...	...	...	24°328	-35°232	-4	...	...
†	30°142	+23°079	0°85	...	...	...	27°459	+41°286	-5	...	...	...	24°262	-7°237	-5	...	...
†	30°137	+27°332	-2	...	...	...	27°380	-44°814	-3	...	...	...	24°258	-43°572	-3	...	...
†	30°108	+58°682	-3	...	...	...	27°370	+19°819	-2	...	...	...	24°237	-32°497	0°90	...	...
...	-30°031	-4°200	-5	...	...	...	27°304	+39°451	-5	M	...	...	-24°198	+0°749	-5	...	...
...	30°015	+31°518	-1	...	...	...	27°204	+32°654	-5	M	...	...	24°171	+42°641	-1	...	...
...	29°968	+26°408	0°65	...	...	...	27°086	-23°878	-5	...	...	...	24°150	+47°290	-4	...	...
...	29°866	+28°412	-4	...	...	...	27°021	+57°177	-4	...	...	...	24°133	-21°390	-2	...	...
...	29°861	+29°045	-5	...	...	...	27°021	-43°459	-5	...	...	*	24°099	+29°366	1°70	46.8116	8°8
471	-29°851	+52°870	0°95	...	...	531	-26°921	-48°362	-3	...	...	591	-24°063	-1°979	-2	...	...
*	29°850	+17°256	1°90	46.8110	8°8	...	26°808	+30°576	-5	...	...	...	23°972	+14°239	-3	...	...
...	29°828	-44°152	0°80	...	...	*	26°801	-1°590	1°00	...	...	...	23°887	-12°443	0°90	47.7813	9°6
...	29°774	+27°371	-5	...	...	...	26°737	+18°311	-4	...	...	...	23°830	+36°340	-4	...	...
...	29°754	+13°997	-4	...	...	...	26°708	+40°205	0°70	...	...	...	23°693	+48°846	0°90	...	...
...	-29°703	-42°392	-5	...	...	...	26°685	+57°200	-5	...	...	*	-23°672	+32°276	1°00	46.8117	9°5
...	29°688	-17°782	0°80	...	...	...	26°662	-32°570	-3	...	...	...	23°627	+13°504	-2	...	...
...	29°657	-6°040	-5	...	...	...	26°651	+46°074	-4	...	...	...	23°612	-47°980	-4	...	...
...	29°649	+4°681	-2	...	...	...	26°515	+49°549	-3	...	...	...	23°556	+22°605	0°75	...	...
...	29°633	-54°331	-3	...	...	*	26°474	+20°125	2°00	46.8113	8°6	...	23°446	+59°770	-1	...	...
481	-29°631	-42°685	-3	...	...	541	-26°447	+30°805	0°70	...	...	601	-23°423	-30°204	0°80	...	...
†	29°620	+49°860	-2	...	...	...	26°430	+53°998	-1	...	...	...	23°414	+33°727	-4	...	...
...	29°589	+22°995	0°70	...	...	...	26°279	-52°233	-2	...	...	...	23°375	+14°036	-4	...	...
*	29°546	+27°735	1°10	46.8111	9°6	...	26°252	+17°862	-2	...	...	...	23°256	-0°481	0°80	...	...
...	29°494	+12°968	-5	...	...	...	26°195	+22°743	-5	...	...	...	23°223	+33°549	-3	...	...
...	-29°453	+28°865	0°70	...	...	...	26°151	+43°857	-5	M	...	...	-23°148	+54°256	-4	...	...
...	29°424	+28°891	0°70	...	...	...	26°087	-32°764	-5	...	...	...	23°116	+42°017	-4	...	...
...	29°409	+48°623	-5	...	...	...	26°021	-27°007	-5	M	...	...	23°074	+33°729	-4	...	...
...	29°363	-4°193	-5	...	...	...	25°925	+40°356	-5	...	...	...	22°923	+12°963	-4	...	...
...	29°266	-57°104	-5	M	...	...	25°857	+59°376	-5	...	...	...	22°891	-11°984	-4	...	...
491	-29°226	+20°088	0°70	...	...	551	-25°822	+26°440	-4	...	...	611	-22°792	-44°727	-4	...	...
...	29°134	+16°817	-3	...	...	...	25°811	+47°431	-4	...	...	...	22°739	+7°264	-3	...	...
...	29°122	+0°242	-3	...	...	*	25°793	+7°118	1°10	46.8114	9°4	...	22°629	-17°310	-4	...	...
...	29°072	+16°358	-5	M	...	*	25°711	+5°464	1°90	46.8115	9°0	...	22°503	-37°868	-4	...	...
...	28°964	+25°642	-5	...	...	...	25°672	-54°379	0°65	...	...	...	22°454	+13°564	-4	...	...
*	28°949	+37°162	-5	...	...	...	25°457	+32°371	-1	...	...	...	-22°381	+24°865	-4	...	...
*	28°941	+12°917	0°95	...	...	...	25°394	-10°098	-5	...	...	...	22°332	+14°274	-5	...	...
...	28°829	-21°629	0°75	...	...	...	25°375	-18°048	-5	...	...	...	22°290	+5°404	-5	M	...
...	28°756	-0°209	-5	M	...	...	25°333	+35°113	0°80	...	...	...	22°275	+32°026	0°70	...	...
...	28°601	+34°565	0°85	...	...	*	25°259	+49°911	-3	...	...	...	22°225	+19°514	-3	...	...
501	-28°543	+13°411	0°70	...	...	561	-25°254	+33°661	0°65	...	...	621	-22°191	+36°644	-4	...	...
...	28°430	-38°712	-4	...	...	+	25°131	+35°410	-4	...	...	...	22°172	+14°721	0°90	46.8118	9°6
*	28°415	+32°883	2°20	46.8112	8°4	+	25°124	+40°455	-1	...	...	...	22°031	+57°070	-5	...	...
...	28°377	+36°856	-3	...	...	...	24°979	+17°196	-5	...	...	*	22°027	+36°533	1°10	46.8119	9°0
*	28°285	-42°055	1°25	47.7809	9°3	*	24°849	-35°080	3°20	47.7811	7°8	...	21°998	-33°619	-3	...	...
...	-28°275	+29°830	0°80	...	...	...	24°827	+37°450	0°90	...	...	...	-21°865	+35°702	-5	...	...
...	28°213	-4°529	-3	...	...	...	24°821	+45°552	-3	...	...	...	21°845	+38°425	-4	...	...
...	28°166	+42°447	-5	...	...	...	24°764	+19°288	-1	...	...	...	21°822	+11°670	-4	...	...
...	28°151	+9°500	-5	...	...	*	24°736	-51°134	2°60	47.7810	8°4	...	21°803	-31°262	-3	...	...
...	28°011	+54°533	-5	M	...	...	24°735	+48°798	-4	...	...	...	21°749	+11°529	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
631-690																	
631	-21·748	+24·606	-5	o		691	-18·805	+30·685	1·80	46·8121	8·9	751	-16·130	+28·321	-5	o M	
...	21·729	+20·830	-2			...	18·794	+8·348	-3			...	16·094	-58·030	0·65		
...	21·637	+41·302	-4			...	18·738	+46·740	-4			...	16·039	+47·004	-4		
...	21·569	-7·610	-5			...	18·734	-29·231	-3			...	15·930	+3·518	-3		
...	21·569	-20·469	0·80			...	18·637	-9·030	-3			...	15·843	-19·477	-5		
...	-21·494	-37·718	-5			...	-18·633	-40·298	-4			†	-15·786	-10·016	-5		
...	21·342	-42·623	-3			...	18·568	+21·765	0·70			*	15·655	-53·025	0·95		
...	21·274	-8·649	-4			†	18·547	+44·894	-5			...	15·569	-17·117	-4		
...	21·258	+18·916	-5			...	18·512	-55·862	-5			...	15·544	+27·404	-5		
...	21·251	+15·943	-4			...	18·510	+59·109	-4			...	15·527	+38·024	-3		
641	-21·226	+23·034	-5			701	-18·492	-16·723	-5			761	-15·475	+28·398	-5		
...	21·219	-9·641	-5			...	18·360	-10·205	-4			...	15·330	+22·046	-5		
...	21·192	-47·351	-4			...	18·345	-40·055	-5			...	15·282	+1·458	-5		
...	21·149	-11·027	-5			...	18·325	-10·821	-4			...	15·258	+0·740	-3		
...	20·976	+57·489	0·85	45·8069	9·6	...	18·238	-20·137	-5			...	15·241	+36·362	-5		
...	-20·957	+35·121	-4			...	-18·212	-27·162	0·80			...	-15·210	+18·159	-5		
...	20·940	+58·649	-5			...	18·155	-53·721	-2			+	15·197	-33·815	1·25	47·7820	9·3
...	20·938	+30·290	-5			...	18·105	-3·948	-5			...	15·115	-48·367	-3		
...	20·927	+47·089	-4			†	18·095	-10·025	-3			...	15·046	+29·122	-5		
...	20·764	+11·673	-3			...	17·960	-7·974	-5			*	15·036	+43·530	1·00	46·8124	9·6
651	-20·730	-9·443	-2			711	-17·936	+45·939	-5			771	-15·007	+32·757	0·95	46·8122	9·6
...	20·714	-32·614	-4			...	17·912	+40·290	-5	M		...	14·986	-38·093	-2		
...	20·618	+21·537	-4			...	17·831	+56·411	-5	M		...	14·977	+10·866	-5		
...	20·597	+53·137	-4			...	17·790	-42·827	0·70			...	14·914	+31·276	-5		
*	20·545	+5·810	1·20	46·8120	9·4	...	17·769	+23·878	-5	M		...	14·897	-33·358	-4		
*	-20·543	-16·151	1·20	47·7814	9·4	†	-17·706	+9·976	0·75			...	-14·883	+22·440	-5		
...	20·491	-11·075	0·80	47·7815	9·6	...	17·589	-32·805	0·80			...	14·766	+58·329	-4		
...	20·489	-36·140	0·80			...	17·575	+9·422	-4			...	14·741	-55·775	-2		
...	20·439	+47·611	-5			...	17·522	+50·794	-1			...	14·734	+43·530	-5		
...	20·223	+11·892	-1			*	17·478	-43·912	1·10	47·7817	9·6	*	14·571	-2·705	1·00	46·8123	9·6
661	-20·197	+4·033	-5			721	-17·436	+10·679	-5			781	-14·541	-23·769	-5		
...	20·047	-2·539	-1			*	17·403	+25·790	0·95			...	14·532	+51·543	-2		
...	20·045	+25·856	-3			...	17·403	+5·765	-4			...	14·480	-27·651	-5		
...	20·032	-30·046	-5			...	17·339	+36·696	-3			...	14·439	+39·297	-5		
...	19·973	+53·098	0·65			...	17·306	-10·899	-3			...	14·411	-10·521	-3		
...	-19·906	+25·837	-5	M		...	-17·266	-2·209	-3			*	-14·206	-18·465	0·95		
...	19·895	+56·527	-4			...	17·248	+47·417	-5			...	14·174	-9·607	-2		
...	19·843	-36·674	-3			...	17·210	+42·918	-5	M		...	14·156	+12·452	-4		
...	19·837	+24·888	0·80			†	17·187	-14·929	0·85			...	14·026	-38·671	-2		
...	19·787	+49·268	0·80			...	17·174	+11·651	-4			...	14·003	+30·144	-5		
671	-19·780	+31·496	-4			731	* -17·135	-28·323	2·70	47·7818	7·9	791	-13·959	-21·156	-3		
...	19·767	-57·615	-5			...	17·091	-42·667	-3			...	13·914	-34·021	-2		
...	19·682	-17·417	-5			...	17·049	+57·871	-5			...	13·913	-29·662	-4		
...	19·597	-30·680	-5			...	16·937	+47·574	-5			...	13·901	+29·339	-3		
...	19·588	+56·568	-5			...	16·901	-33·302	-5			...	13·889	+28·376	-5		
...	-19·585	+2·682	0·65			...	-16·836	-53·616	-3			...	13·888	+31·986	-4		
...	19·578	+13·219	-5			...	16·827	+48·802	-5			...	13·881	-39·703	-2		
...	19·566	+15·104	-4			...	16·799	+55·911	-5	M		...	13·840	+48·873	0·75		
...	19·543	+25·217	-5			...	16·719	-22·127	-3			...	13·816	-19·060	-4		
...	19·454	-24·330	-5			...	16·631	-30·458	-3			...	13·737	-48·255	-3		
681	-19·406	-26·235	-2			741	-16·629	-2·145	-4			801	-13·729	-14·221	-5		
...	19·307	-25·493	-5			...	16·601	-48·513	-5			...	13·719	-12·679	-2		
...	9·244	+14·571	-4			...	16·577	+24·593	0·65			...	13·685	+0·150	1·00	46·8125	9·6
*	19·231	+48·350	-5			...	16·535	+34·548	0·75			...	13·655	-41·924	-5		
*	19·178	-48·372	2·10	47·7816	8·4	...	16·511	+12·147	-5			...	13·637	-12·227	0·85		
...	-19·177	-53·356	-2			...	-16·449	+41·210	-5	M		...	-13·550	-6·784	-5		
...	19·116	-58·654	0·70			...	16·352	-43·302	-3			...	13·545	-20·461	-4		
...	19·023	+34·004	-5			...	16·258	+20·552	0·65			...	13·451	-52·962	-2		
...	[18·992	+47·138	-4			...	16·241	-38·592	-3			...	13·447	+27·970	-4		
...	18·893	+48·076	-5			*	16·174	-32·762	1·25	47·7819	9·2	...	13·380	+24·838	-5		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
811-870																	
811	-13·375	-12·030	-5	o	...	871	-10·241	-46·412	1·30	47·7822	9·0	931	-7·111	-52·106	2·10	47·7826	8·4
S *	13·338	-32·990	3·40	47·7821	7·3		10·231	+ 2·521	-5	M	...	...	7·099	-2·807	-4	...	...
...	13·296	-29·105	0·70	...	...		10·178	+ 13·323	-5	...	...	...	7·091	-30·997	1·15	47·7827	9·5
...	13·291	+29·522	-5	...	...		10·022	+ 44·115	-2	...	...	...	7·043	+ 54·963	-5	M m	...
...	13·164	+21·219	-4	...	...		10·007	+ 43·814	-5	M	...	...	7·038	-40·899	-5	...	...
...	-13·162	+42·161	0·75	...	...		9·995	-34·874	-5	...	...	...	7·021	-18·102	-5	...	...
...	13·156	+28·195	-4	...	...		9·894	-23·122	-5	...	...	...	6·934	+ 0·502	0·70	am	...
...	13·102	+45·832	-1	...	...		9·749	-15·048	-5	M	...	...	6·930	-7·626	-5	...	...
...	13·044	-3·248	-2	...	...		9·731	+ 51·518	-4	...	...	...	6·914	+ 34·526	-4	...	...
...	12·970	-27·256	-3	...	...		9·729	-16·051	0·80	...	...	...	6·912	+ 17·923	-3	...	...
821						881						941					
...	-12·957	+21·544	-4	...	...		9·662	-29·064	-5	...	...	...	6·904	+ 9·780	0·75	...	...
...	12·951	+17·997	-3	...	...		9·620	-31·479	0·80	...	...	...	6·887	-54·857	-5	...	...
...	12·870	+ 2·125	-1	...	...	S *	9·409	+ 48·617	2·50	46·8129	8·0	*	6·860	-21·484	1·80	47·7828	9·0
...	12·746	+57·635	-5	...	...		9·400	+ 56·215	-4	...	...	...	6·731	+ 10·520	-3	...	...
...	12·656	+36·473	0·85	...	...		9·397	+ 5·366	0·90	...	...	...	6·638	-25·300	-5	...	...
...	-12·616	+24·742	-1	...	...		9·314	+ 34·347	-3	...	...	...	6·587	-31·995	-4	...	...
...	12·573	+28·943	-3	...	...		9·260	+ 0·400	-5	M	...	...	6·557	-35·513	-5	...	...
...	12·552	+57·363	-4	...	...		9·260	-10·296	-5	...	...	...	6·523	+ 2·296	-5	M m	...
†	12·509	-14·981	-5	...	...	*	9·157	+ 16·985	1·15	46·8130	9·6	...	6·499	+ 18·602	-5	m	...
...	12·502	+ 3·332	-4	...	...		9·130	+ 26·719	0·75	...	...	...	6·467	+ 18·230	-5	M	...
831						891						951					
...	-12·459	+48·852	-5	...	...		9·039	-33·541	-5	...	...	...	6·439	-0·250	-5	M m	...
...	12·456	-18·706	-5	...	...		9·022	-36·697	-5	...	...	...	6·353	+ 24·887	-4	...	...
...	12·359	+22·622	-5	...	...		8·875	+ 3·640	-5	m	...	...	6·207	+ 2·370	-5	m	...
...	12·324	+41·290	-1	...	...		8·802	-51·986	0·70	...	...	...	6·206	-48·504	0·80	...	...
...	12·280	+42·379	-5	...	...		8·564	+ 41·231	-2	...	...	...	6·157	-20·917	0·70	...	...
...	-12·243	-33·160	-4	...	...		8·534	-43·342	-5	...	...	...	6·152	-19·135	-5	M	...
...	12·004	-59·048	-5	...	...		8·446	+ 43·653	0·90	...	...	...	6·135	+ 21·065	-2	...	...
...	11·982	+ 2·198	-5	M	...		8·435	-48·331	-4	...	...	...	6·091	+ 19·874	-4	...	...
...	11·974	-54·639	-2	...	...		8·418	+ 56·747	0·80	...	...	...	6·050	+ 2·087	-3	...	...
...	11·937	+34·140	-5	M	...		8·418	-4·803	-5	m	...	...	5·980	+ 2·238	-5	M m	...
841						901						961					
...	-11·885	+ 9·197	-4	...	...		8·411	-45·649	-4	...	...	...	5·930	-21·628	0·75	...	...
...	11·839	-49·533	-2	...	...		8·369	+ 3·055	-2	...	...	...	5·882	-19·518	-5	...	...
...	11·820	+30·415	-5	...	...		8·290	+ 50·721	-4	...	...	...	5·816	+ 10·078	-5	m	...
*	11·701	+49·206	1·30	46·8126	9·0	...	8·277	-43·078	0·95	...	...	*	5·812	+ 7·580	1·00	...	...
...	11·689	+33·877	-1	...	...		8·274	-35·083	-2	...	...	...	5·782	-35·507	-5	...	...
...	-11·604	-35·998	-3	...	...		8·259	+ 40·932	-2	...	...	...	5·778	-4·775	-5	...	...
...	11·599	+26·199	-5	...	...		8·113	-9·508	-5	...	...	...	5·696	-15·540	-5	...	...
N	11·571	-35·544	-3	...	...		7·930	+ 59·753	-5	...	...	...	5·655	+ 21·772	-3	...	...
...	11·460	+ 6·300	-3	...	...		7·927	+ 2·221	0·90	...	...	...	5·638	+ 31·364	0·70	...	...
...	11·160	+ 2·905	-5	M	...		7·926	+ 8·662	-5	M m	...	...	5·623	+ 25·959	-2	...	...
851						911						971					
...	-11·122	-1·874	-4	...	...		7·922	-16·992	-5	...	...	...	5·591	+ 9·597	-5	M m	...
...	11·100	-40·960	-1	...	...		7·859	+ 57·218	-5	m	...	*	5·587	+ 25·853	0·95	46·8131	9·6
...	11·092	-3·432	-4	...	...		7·809	-6·214	-5	...	...	...	5·562	-27·630	-4	...	...
...	11·091	+12·983	-5	...	...		7·750	-9·772	-5	...	...	...	5·467	+ 51·883	-1	...	...
...	11·048	+ 1·925	-5	...	...		7·692	+ 15·849	-4	...	...	...	5·425	-40·931	-5	...	...
...	-11·041	-34·669	-5	...	...		7·677	+ 34·082	-3	...	...	n*	5·384	-11·217	1·70	47·7829	8·2
...	10·908	+55·213	-4	...	...		7·665	-19·887	-5	...	...	...	5·366	-19·472	-5	...	...
...	10·711	-18·735	-3	...	*		7·625	-13·940	2·00	47·7825	8·8	...	5·341	-18·532	-4	...	...
*	10·692	+16·970	1·30	46·8127	9·0	...	7·576	-3·431	0·90	...	...	...	5·326	-26·614	-5	...	...
...	10·653	-4·047	-5	...	...		7·502	-0·498	-5	...	...	...	5·325	-51·088	-5	M	...
861						921						981					
...	-10·636	+37·363	-3	...	...		7·461	+ 32·436	-5	m	...	...	5·307	+ 0·852	-5	M m	...
...	10·628	-27·746	-3	...	...		7·457	-45·811	-3	...	...	...	5·307	-21·751	-5	...	...
...	10·568	-6·470	-5	...	...		7·451	-38·665	-5	...	...	...	5·270	+ 4·363	0·70	...	...
...	10·525	+58·158	-3	...	...		7·413	+ 0·731	0·75	m	...	...	5·255	+ 21·286	-4	...	...
...	10·511	-12·457	-4	...	...		7·413	-1·710	-4	...	...	...	5·200	+ 14·471	-3	...	...
...	-10·424	+ 5·213	-1	...	...		7·412	+ 2·374	-3	m	...	n+	5·173	-11·131	1·90	47·7829	8·2
...	10·419	-10·460	-5	...	...		7·372	-5·356	0·80	...	...	...	5·126	-31·175	-5	...	...
...	10·397	+11·716	-4	...	...		7·350	+ 16·830	-3	...	...	...	5·085	-11·503	-4	M	...
*	10·323	-6·637	1·00	47·7823	9·5	...	7·326	-26·364	-5	...	...	...	5·008	-6·488	-4	...	...
S *	10·295	+20·280	1·70	46·8128	8·9	...	7·231	-19·043	-3	...	...	...	5·002	-21·517	-3	...	...

849. Mass. 46° 100, two stars.

976. 986. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
991-1050																	
991	- 4.947	+ 55.540	- 3	o	...	1051	- 1.914	+ 14.318	- 3	o	...	1111	+ 0.767	+ 20.050	- 5	o	...
...	4.947	+ 0.132	- 5	M m	...	...	1.883	- 4.018	- 5	...	...	...	0.767	- 24.015	- 4	...	...
...	4.912	- 26.451	- 5	...	...	...	1.875	- 24.056	- 5	...	...	...	0.824	+ 3.823	0.95	...	...
...	4.880	- 11.309	- 5	...	...	...	1.801	- 7.193	- 4	...	...	...	0.844	+ 20.520	- 4	...	...
*	4.876	+ 6.725	1.10	46.8132	9.5	...	1.758	+ 49.113	- 4	...	...	...	0.946	+ 23.548	- 5	...	...
...	- 4.863	+ 21.968	- 1	...	...	*	- 1.758	+ 56.230	1.00	46.8135	9.6	...	+ 1.010	- 22.551	- 3	...	...
...	4.818	+ 50.790	- 3	...	...	...	1.741	- 11.814	- 5	...	...	...	1.015	+ 30.195	- 5	...	...
...	4.771	+ 57.623	- 5	...	...	...	1.731	- 55.034	0.70	...	...	...	1.016	- 36.493	- 5	...	...
...	4.752	- 17.738	- 3	...	...	...	1.728	+ 58.291	- 4	...	...	...	1.028	+ 31.641	- 3	...	...
...	4.747	+ 25.399	- 1	...	...	...	1.720	- 47.836	- 5	...	...	...	1.114	- 41.683	- 4	...	...
1001	1051-1110		1111-1170														
	- 4.733	- 17.848	- 3	...	...	1061	- 1.709	+ 24.724	- 4	...	...	...	+ 1.130	- 54.365	- 5	...	...
	4.641	- 40.488	- 5	...	...	...	1.615	+ 55.334	- 3	...	...	...	1.169	+ 42.608	- 2	...	...
	* 4.612	- 49.768	0.95	...	...	...	1.600	+ 23.527	- 4	...	...	...	1.263	+ 0.674	1.00	...	...
	* 4.518	+ 11.311	1.00	46.8133	9.6	...	1.497	- 17.092	- 5	...	...	...	1.299	+ 43.172	- 5	...	...
	4.434	+ 7.587	- 1	...	...	...	1.467	+ 40.612	0.80	...	...	...	1.309	+ 41.418	- 4	...	...
	- 4.417	+ 58.759	- 5	M	...	*	- 1.464	- 48.591	1.10	47.7830	9.2	...	+ 1.309	- 35.511	- 5	...	...
	4.405	+ 58.885	- 3	...	...	...	1.450	+ 16.310	0.95	46.8136	9.6	...	1.333	+ 20.495	- 3	...	...
	4.319	+ 32.902	- 5	...	...	...	1.433	+ 25.226	- 4	...	...	...	1.400	- 49.824	- 3	...	...
	4.296	+ 27.483	- 5	...	...	...	1.304	+ 49.536	- 4	...	...	...	1.439	+ 30.754	- 4	...	...
	4.272	- 23.142	- 4	...	...	...	1.229	+ 5.839	- 4	...	...	...	1.442	+ 57.402	- 5	M	...
	1071		1131														
	- 4.223	+ 19.135	- 2	...	...	...	- 1.220	+ 47.885	- 1	...	...	...	+ 1.445	+ 42.313	- 2	...	...
	4.221	- 53.327	- 3	...	...	...	1.149	+ 38.370	- 4	...	...	...	1.493	+ 10.671	- 5	...	...
	4.173	- 37.701	- 5	...	...	...	1.126	+ 16.571	- 2	...	...	...	1.532	- 55.373	0.75	...	...
	4.078	+ 27.876	- 5	...	...	...	1.112	- 17.276	- 5	...	...	...	1.652	- 41.654	0.90	...	...
	3.994	+ 12.974	- 2	...	...	...	0.919	+ 58.131	- 4	...	...	...	1.702	+ 7.921	- 4	...	...
	- 3.988	+ 13.251	- 5	M m	...	...	- 0.910	- 32.729	- 4	...	...	...	+ 1.947	+ 6.969	- 2	...	...
	3.988	- 38.632	c.80	...	...	...	0.902	- 22.561	- 4	...	...	...	1.953	- 51.396	0.85	...	...
	3.877	+ 31.095	- 5	...	...	*	0.838	+ 10.682	2.40	46.8138	8.4	...	1.978	- 19.466	- 5	...	...
	3.851	+ 6.355	- 4	m	...	...	0.798	- 8.147	- 5	...	...	...	1.994	+ 13.163	- 4	...	...
	3.838	+ 1.211	- 5	M m	...	...	0.791	- 2.307	0.90	46.8137	9.5	...	2.054	- 41.290	- 5	...	...
1021	1081		1141														
	- 3.719	- 40.329	- 4	...	...	...	- 0.749	+ 30.589	- 4	...	...	...	+ 2.170	- 5.490	- 4	...	...
	3.718	+ 20.343	- 4	M	...	...	0.692	+ 31.090	- 5	M m	...	...	2.179	+ 3.635	0.65	...	...
	3.696	- 26.181	- 4	...	...	...	0.663	- 6.633	- 5	...	...	...	2.222	+ 54.208	- 4	...	...
	3.694	- 39.749	- 5	...	...	*	0.653	- 31.208	1.00	47.7831	9.6	*	2.262	+ 55.075	1.00	46.8141	9.6
	3.573	- 9.505	- 4	...	...	...	0.640	- 0.619	- 2	...	...	...	2.299	+ 13.052	- 5	M m	...
	- 3.546	- 54.200	- 3	...	...	...	- 0.585	+ 10.240	- 4	...	...	...	+ 2.310	- 0.833	1.00	46.8140	9.6
	3.394	+ 16.440	- 3	...	...	...	0.358	+ 34.387	0.75	...	...	...	2.334	+ 28.438	- 5	M m	...
	3.370	- 40.835	0.80	...	...	...	0.254	+ 20.648	- 5	...	...	...	2.336	+ 46.399	- 5	...	...
	3.344	- 34.088	- 3	...	...	†	0.148	- 6.122	- 1	...	...	...	2.350	- 50.328	- 1	...	...
1031	3.267	- 27.844	0.75	...	...	...	0.121	- 41.255	0.85	...	...	...	2.399	+ 46.522	- 5	...	...
	1091		1151														
	- 3.121	+ 3.921	- 4	...	...	...	- 0.038	+ 16.879	0.90	...	...	...	+ 2.429	- 5.599	- 4	...	...
	3.106	- 34.354	- 5	...	...	*	+ 0.022	- 34.989	1.05	47.7833	9.6	...	2.513	- 21.157	- 3	...	...
	3.096	- 22.087	- 5	...	...	...	0.027	- 53.737	- 5	...	...	...	2.523	- 49.433	- 5	...	...
	2.777	+ 47.255	- 1	...	...	...	0.042	- 51.699	- 5	...	...	...	2.531	+ 45.517	- 4	M	...
	2.743	+ 26.098	- 3	...	...	...	0.075	+ 5.639	- 1	...	...	...	2.534	- 51.776	- 5	...	...
	- 2.699	- 11.547	- 4	...	...	*	+ 0.076	+ 32.825	1.70	46.8139	8.9	...	+ 2.547	+ 18.757	- 4	...	...
	2.651	+ 4.308	- 5	M m	...	...	0.122	+ 18.366	- 3	...	...	...	2.573	- 13.309	0.80	...	...
	2.635	- 8.115	- 4	...	...	...	0.256	- 10.224	- 2	...	...	...	2.720	+ 27.098	0.70	...	...
	2.517	- 46.023	- 5	...	...	...	0.274	+ 14.716	- 4	...	...	...	2.733	- 1.974	- 5	...	...
1041	* 2.499	+ 22.170	1.00	46.8134	9.5	...	0.333	- 57.882	- 2	...	...	...	2.738	+ 24.686	- 5	M m	...
	- 2.497	+ 3.797	- 5	M m	...	...	+ 0.362	- 15.568	- 5	...	...	...	+ 2.769	- 8.200	- 5	...	...
	2.380	- 28.166	c.95	...	...	...	0.392	- 59.279	- 3	...	...	...	2.776	+ 41.767	- 5	...	...
	2.345	- 47.126	- 3	...	...	...	0.400	- 20.953	- 3	...	...	...	2.819	+ 3.388	- 5	m	...
	2.230	+ 9.869	- 1	...	...	...	0.451	+ 19.612	- 5	M m	...	...	2.833	+ 7.064	0.75	...	...
	2.165	+ 12.437	- 3	...	...	*	0.465	- 8.084	1.05	47.7834	9.6	...	2.837	+ 37.437	- 2	...	...
	- 2.144	- 55.164	0.90	...	...	...	+ 0.509	+ 57.850	- 2	...	...	...	+ 2.866	- 33.440	- 5	...	...
	2.129	+ 20.521	- 4	M	...	...	0.509	- 14.237	- 5	...	...	...	3.065	- 50.845	- 3	...	...
	2.032	+ 36.327	- 4	...	...	...	0.595	- 0.212	- 4	...	...	...	3.075	- 10.188	- 3	...	...
	1.962	+ 11.471	- 5	M m	...	...	0.720	- 4.615	- 4	...	...	...	3.112	- 47.624	0.85	...	...
	1.948	- 11.446	- 5	...	...	...	0.752	- 56.054	- 4	...	...	...	3.247	+ 12.122	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.			
1171-1230																				
1171	+	3.333	-14.348	-5	° M	...	1231	+	6.472	+19.621	-4	°	...	1291	+	9.071	-53.803	0.90	47.7845	9.6
...	+	3.439	-36.031	-4	...	...	...	+	6.475	+45.797	-5	...	...	...	+	9.275	+28.131	-4	...	...
...	3.507	+17.105	-4	...	...	...	...	+	6.546	+6.391	-5	...	...	...	+	9.322	+9.474	-1	...	...
...	3.529	-1.454	-3	...	...	...	...	+	6.546	-21.463	-4	...	...	...	+	9.360	+18.985	-3	...	...
...	3.640	-33.775	-2	...	...	...	...	+	6.629	+34.301	-4	...	...	...	+	9.400	+19.600	-5	...	...
...	+	3.743	+43.683	-4	...	...	...	+	6.732	+36.325	-5	M	...	...	+	9.404	+19.106	-4	...	...
†	3.771	+29.943	-4	...	...	...	...	+	6.742	-8.567	-3	...	...	...	+	9.471	+23.583	-2	...	...
...	3.784	-14.097	-5	M	...	...	...	+	6.792	-36.693	-4	...	...	...	+	9.739	+21.325	-4	...	...
...	3.790	+19.094	-5	...	...	...	...	+	6.809	+36.434	-3	...	...	...	+	9.784	+2.773	-4	...	...
...	3.820	+31.773	-5	m	...	...	...	+	6.865	+40.832	-5	...	...	...	+	9.839	+8.794	-5	m	...
1181	*	3.822	+57.709	1.05	45.8088	9.6	1241	+	6.868	-39.191	-5	...	...	...	+	9.846	-19.709	1.00	...	...
...	3.855	-34.588	0.90	...	...	...	...	+	7.095	-6.971	-1	...	...	...	+	9.854	-26.225	-3	...	...
...	3.860	+27.888	-2	...	...	...	...	+	7.109	-55.565	-4	...	...	...	+	9.856	+12.473	0.70	...	...
*	3.886	+20.620	1.05	46.8142	9.6	...	...	+	7.123	-25.234	-2	...	...	...	+	9.858	+32.023	-4	...	...
...	3.914	+36.019	-2	...	...	...	...	+	7.143	-48.927	1.10	47.7840	9.5	...	+	9.886	+23.499	-2	...	...
...	+	3.998	-47.299	0.90	47.7835	9.6	...	+	7.192	-58.495	-2	...	...	...	+	9.896	+42.412	-5	m	...
...	4.007	+8.725	-5	M m	...	...	...	+	7.223	+11.039	0.90	46.8148	9.6	...	+	9.914	+54.132	-4	...	...
...	4.018	+0.995	-5	M m	...	...	...	+	7.239	+29.528	0.90	46.8149	9.5	...	+	9.946	+41.224	-5	...	...
...	4.029	+56.827	-5	M	...	...	...	+	7.305	-4.410	1	47.7841	9.6	...	+	9.964	+17.634	-5	m	...
...	4.041	-21.122	-5	...	...	...	...	+	7.341	-9.140	-4	...	...	...	+	9.983	-0.551	-4	...	...
1191	+	4.108	-20.237	-2	...	...	1251	+	7.398	+6.626	-3	...	...	...	+	10.057	+2.069	1.00	46.8153	9.6
...	4.120	-39.559	0.65	...	...	...	...	+	7.423	+49.520	-3	...	...	...	+	10.063	+46.004	-5	...	...
...	4.181	-10.544	0.85	...	...	...	...	+	7.503	-1.356	-5	...	...	...	+	10.138	+14.180	-5	...	...
...	4.212	-4.098	-5	...	...	...	...	+	7.559	-54.750	-4	...	...	...	+	10.385	-7.843	-5	...	...
...	4.255	+29.142	-1	...	...	...	...	+	7.576	-9.325	-4	...	...	...	+	10.422	-10.319	-4	...	...
...	+	4.356	-43.248	-5	...	...	...	+	7.584	-18.025	-1	...	...	...	+	10.528	-35.258	-3	...	...
...	4.374	-29.577	-4	...	...	...	...	+	7.626	-26.831	-5	...	...	...	+	10.566	+19.829	0.85	...	...
...	4.379	-16.990	-5	...	...	...	...	+	7.701	+18.462	0.90	...	...	...	+	10.629	-45.174	-4	...	...
...	4.444	+56.387	-5	...	...	...	...	+	7.740	+42.465	-5	m	...	...	+	10.727	-27.918	-5	a	...
...	4.485	-0.157	-3	...	...	...	...	+	7.769	+32.888	-4	...	...	...	+	10.736	-52.242	-5	...	...
1201	*	4.486	+36.878	1.20	46.8143	9.2	1261	+	7.809	-8.600	-5	...	...	...	+	10.757	+16.620	-4	...	...
...	4.511	-40.559	-5	...	...	*	...	+	7.827	+49.542	1.60	46.8150	8.8	...	+	10.764	+7.739	-5	m	...
...	4.604	+39.459	-4	...	...	...	...	+	7.897	+25.435	-3	...	...	...	+	10.800	+12.813	-1	...	...
†	4.730	-37.983	-2	...	...	...	...	+	7.958	+55.031	0.75	...	...	...	+	10.852	-13.355	-3	...	...
...	4.736	+23.875	-5	...	...	*	...	+	8.095	-19.141	1.10	47.7843	9.5	*	+	10.878	-46.592	1.10	47.7846	9.6
†	+	4.771	+24.095	-5	...	...	...	+	8.119	-0.554	-2	...	...	...	+	10.979	-42.010	-3	...	...
†	4.830	+17.596	-5	...	...	*	S *	+	8.125	-43.159	1.20	47.7842	9.4	...	+	11.008	+30.572	-5	...	...
†	4.854	+35.730	-5	...	...	S *	...	+	8.338	+41.112	1.85	46.8151	8.4	...	+	11.054	-23.601	0.70	...	...
*	4.885	-38.895	-5	...	...	...	...	+	8.407	-30.069	-5	...	...	...	+	11.060	-19.337	-3	...	...
*	5.009	-0.875	1.70	46.8144	9.0	†	...	+	8.418	-20.019	-2	...	...	...	+	11.075	-25.926	0.85	...	...
1211	*	5.018	+59.644	1.10	45.8090	9.2	1271	+	8.435	-18.463	-4	...	...	...	+	11.133	-30.135	-1	...	...
...	5.297	+26.611	-3	...	...	*	...	+	8.449	-53.700	1.60	47.7844	9.0	...	+	11.181	+36.858	-5	...	...
*	5.297	-23.084	1.40	47.7837	9.0	...	...	+	8.453	+30.801	-3	...	...	...	+	11.200	-58.186	-4	...	...
*	5.324	-20.534	1.40	47.7836	9.0	...	...	+	8.552	-57.747	-5	...	...	...	+	11.220	+15.419	-5	m	...
*	5.497	-31.291	0.65	...	...	...	...	+	8.554	-45.317	-5	...	...	...	+	11.243	+8.269	1.10	46.8155	9.6
+	5.551	+21.471	1.20	46.8145	9.3	...	...	+	8.612	+30.248	-4	...	...	...	+	11.254	+42.668	1.25	46.8154	9.6
...	5.581	+23.606	-2	...	...	...	...	+	8.690	-32.307	-5	...	...	...	+	11.256	+34.669	0.75	...	...
...	5.711	+0.991	-1	...	...	...	...	+	8.692	+11.436	-5	...	...	...	+	11.305	-13.092	-3	...	...
*	5.761	-38.787	1.00	47.7838	9.6	...	...	+	8.772	-4.353	-1	...	...	...	+	11.339	+2.416	-4	b	...
...	5.780	-5.828	-4	...	...	...	...	+	8.852	-35.451	-4	...	...	...	+	11.356	-5.475	-5	...	...
1221	+	5.794	-11.672	-3	...	...	...	+	8.854	+26.040	-4	...	...	...	+	11.468	+0.338	-1	α	...
...	5.897	+24.461	-2	...	...	...	...	+	8.863	-26.414	-4	...	...	...	+	11.517	-21.693	1.00	...	...
...	5.933	-36.385	-5	...	...	...	...	+	8.892	+2.155	-3	...	...	...	+	11.625	-2.119	-5	...	...
*	6.093	-1.622	1.70	46.8146	9.0	...	...	+	8.893	-8.889	-3	...	...	...	+	11.660	+36.535	-4	...	...
...	6.208	+14.259	-4	...	...	...	...	+	8.962	+43.111	-5	...	...	...	+	11.668	-50.584	-2	...	...
...	+	6.252	+37.307	-5	...	...	...	+	8.969	+49.812	-4	...	...	...	+	11.676	+31.151	-5	m	...
...	6.277	-54.613	0.80	...	...	...	...	+	8.991	+39.033	-4	...	...	...	+	11.676	-48.553	-5	...	...
...	6.315	-53.312	-5	...	...	...	...	+	8.997	+4.522	-5	...	...	...	+	11.679	+19.504	-5	...	...
*	6.337	+36.118	-1	...	...	...	...	+	9.003	+3.997	-1	...	...	...	+	11.702	-27.941	-5	...	...
*	6.341	+17.398	1.20	46.8147	9.3	*	...	+	9.019	+24.626	1.10	46.8152	9.3	...	+	11.758	+20.923	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1351-1410																	
1351	+11·795	-3·688	-2	o	...	1411	+13·439	+50·372	-5	o	...	1471	+15·312	+50·370	-3	o	...
...	11·892	+5·946	-5	m	...	...	13·445	-21·069	-4	...	...	...	15·313	-17·150	-5	...	...
...	11·902	-11·114	-5	...	...	...	13·463	-18·313	-5	...	...	...	15·339	-9·263	-5	...	...
...	11·904	+5·177	-5	m	...	...	13·467	-52·339	-5	...	...	...	15·452	+2·555	-5	m	...
...	11·948	-44·242	-5	...	...	...	13·497	-5·907	-4	...	...	...	15·502	+24·962	-4	...	...
...	+11·979	-49·182	-4	...	...	*	+13·522	-32·190	1·35	47·7853	9·2	...	+15·651	-27·817	-3	...	...
...	11·984	-40·735	-4	...	...	...	13·565	+22·060	-3	...	...	...	15·652	-21·931	-4	...	...
...	12·014	+27·913	-5	m	...	...	13·616	-58·768	-5	...	...	...	15·666	+46·986	-3	...	...
...	12·025	-39·009	-3	...	...	...	13·617	+31·192	1·00	...	...	...	15·678	-10·088	0·90	47·7856	9·5
*	12·082	-24·553	1·50	47·7847	9·0	...	13·631	+48·358	-2	...	...	...	15·691	-12·672	-4	...	...
1361	+12·132	-12·103	-4	...	...	1421	+13·649	+3·526	0·65	...	...	1481	+15·708	-20·409	-5	...	...
...	12·190	+14·172	-5	...	...	...	13·667	-18·770	-4	...	...	...	15·731	+58·185	1·00	45·8096	9·6
*	12·196	-33·346	1·15	47·7848	9·5	...	13·725	+36·557	-3	...	...	...	15·847	-0·069	1·40	46·8163	9·3
...	12·206	-28·533	-5	...	...	...	13·733	-31·969	-5	...	...	...	15·856	-55·328	-3	...	...
*	12·220	+18·095	-5	...	...	...	13·751	-12·326	-5	...	...	...	15·865	+23·200	-5	m	...
*	+12·253	-15·785	1·50	47·7849	9·3	...	+13·752	-17·407	-4	...	...	...	+15·868	-40·575	-5	...	...
...	12·265	-49·583	-5	...	...	...	13·765	-31·609	-5	...	...	...	15·894	+3·020	-5	m	...
...	12·356	-18·668	-5	...	...	...	13·822	-50·184	0·65	...	...	...	15·906	+7·217	-3	...	...
...	12·396	+21·219	-5	...	...	...	13·825	+32·017	-3	...	...	...	15·907	+42·702	-4	...	...
...	12·396	-3·274	0·80	...	...	...	13·845	+16·175	-4	...	...	...	15·953	-22·992	-3	...	...
1371	+12·406	+32·653	-4	...	...	1431	+13·898	+11·099	-4	...	...	1491	+16·224	+37·641	-3	...	...
*	12·435	+21·059	2·10	46·8156	8·4	*	13·945	+36·993	0·95	...	...	...	16·234	+41·256	-2	...	...
...	12·464	-58·906	-3	...	...	...	14·016	-22·316	-3	...	...	...	16·267	-20·708	1·80	47·7857	8·8
...	12·470	+49·599	0·80	...	...	...	14·019	-59·213	-4	...	...	...	16·364	-24·133	-4	...	...
...	12·489	-34·820	-5	...	...	...	14·049	+5·076	4·10	46·8158	7·3	...	16·374	-11·736	-1	...	...
...	+12·499	-39·295	-5	...	...	...	+14·061	+51·412	-5	...	...	...	+16·492	-9·488	-2	...	...
...	12·557	-22·513	-4	...	...	...	14·075	-29·710	-4	...	...	...	16·515	-16·607	-5	...	...
...	12·577	-38·230	-2	...	...	...	14·176	+1·594	-5	m	...	...	16·523	+31·934	0·90	...	...
...	12·578	-41·313	-5	...	...	...	14·341	-49·094	-4	...	...	...	16·532	-16·315	-5	...	...
...	12·588	-41·189	-5	...	...	...	14·397	+14·583	-2	...	...	...	16·545	+8·450	-5	...	...
1381	+12·633	-36·653	-5	...	...	1441	+14·428	+22·922	-5	m	...	1501	+16·627	-10·974	-5	...	...
...	12·648	+10·016	-3	...	...	...	14·467	+26·231	-3	...	...	...	16·634	-31·497	-5	...	...
...	12·655	-13·907	-3	...	...	...	14·513	+42·221	-1	...	...	...	16·659	-32·988	-3	...	...
...	12·705	+14·185	-1	...	...	...	14·525	+12·380	1·70	46·8159	9·0	...	16·663	+30·141	-4	...	...
...	12·717	+5·691	0·70	...	...	...	14·526	+12·972	-4	...	...	...	16·669	-23·929	-5	...	...
...	+12·733	+52·156	-5	...	...	...	+14·613	-6·333	-5	...	...	...	+16·669	-45·180	-3	...	...
...	12·742	+16·905	-5	m	...	...	14·690	+45·086	-4	...	...	...	16·680	-32·839	-5	...	...
...	12·758	-21·598	-5	...	...	...	14·729	+1·800	1·05	46·8160	9·6	...	16·692	+31·123	-5	...	...
...	12·772	-26·195	0·70	...	...	...	14·767	+53·304	-3	...	...	...	16·703	-51·951	-5	...	...
...	12·797	+33·992	-5	...	...	...	14·871	-15·401	-5	...	...	...	16·716	-9·744	-3	...	...
1391	+12·869	-7·336	-5	...	...	1451	+14·878	-26·646	1·20	47·7854	9·2	1511	+16·809	-12·626	-3	...	...
...	13·015	-54·650	-3	...	...	...	14·880	+46·492	-1	...	...	...	16·846	+26·414	-3	...	...
*	13·077	-55·057	1·00	47·7851	9·6	...	14·902	-13·243	0·90	...	...	...	16·880	-18·263	-3	...	...
...	13·080	+0·187	-5	m	...	...	14·926	-40·367	0·75	...	...	...	16·888	-36·244	-4	...	...
...	13·086	+35·165	-4	...	...	...	14·932	-21·088	-2	...	...	...	16·892	+14·626	0·90	46·8165	9·6
...	+13·116	-21·541	-5	...	...	n	+14·955	-19·355	0·85	...	...	...	+16·900	+16·607	-3	...	...
...	13·142	+3·174	-3	...	...	n*	15·012	-19·277	1·30	47·7855	8·7	*	16·938	+22·541	1·50	46·8164	9·0
*	13·167	-8·738	2·00	47·7850	8·6	n*	15·107	-19·390	0·90	...	...	...	16·991	+3·027	-5	m	...
...	13·197	-25·787	0·85	...	...	...	15·122	+49·728	-5	...	...	...	17·007	-24·862	0·80	...	...
...	13·242	-27·105	-5	...	...	...	15·123	+8·690	-5	...	...	...	17·092	-24·470	-3	...	...
1401	-13·248	+30·192	-4	...	...	1461	+15·145	+0·666	1·00	...	...	1521	+17·106	+5·404	-5	m	...
...	13·311	+36·861	0·70	...	...	...	15·153	-24·901	-2	...	...	...	17·125	+21·967	0·95	46·8166	9·5
*	13·324	+35·022	1·05	46·8157	9·6	...	15·157	+52·233	-3	...	...	...	17·155	-2·380	-4	...	...
...	13·334	+3·045	-5	...	...	...	15·171	-54·568	0·65	...	...	...	17·165	-41·213	-4	...	...
...	13·335	+29·080	-2	...	...	...	15·174	-15·141	-4	...	...	...	17·171	+13·269	1·00	46·8167	9·6
...	+13·384	-18·403	-3	...	...	*	+15·260	+28·587	1·80	46·8162	8·8	...	+17·196	-35·930	-5	...	...
...	13·393	+22·797	0·65	...	...	...	15·268	+42·635	-4	...	...	...	17·220	+26·199	-5	...	...
*	13·397	-40·219	1·15	47·7852	9·4	*	15·276	+46·055	1·00	46·8161	9·6	...	17·227	+32·230	-4	...	...
...	13·402	-15·150	-5	...	...	...	15·287	+11·383	-2	...	...	...	17·251	+25·429	-4	...	...
...	13·432	+17·943	-5	...	...	...	15·293	-19·234	-5	...	...	...	17·325	-20·802	-4	...	...

1456, 1457, 1458. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
1531-1590																		
1531	+17.359	+40.074	-5	o	...	...	+19.235	+30.189	-5	o	m	...	+21.040	+2.726	-5	o	m
...	17.366	-24.962	-5	...	...	...	19.266	-30.801	-5	...	...	...	21.059	-48.472	0.80	...	...
*	17.425	-16.146	1.20	47.7858	9.0	...	19.302	-21.682	-5	...	...	...	21.068	+32.260	-5	...	...
...	17.471	+26.146	0.65	...	...	...	19.304	+20.797	-4	...	...	...	21.075	-18.878	-2	...	...
...	17.494	-8.992	0.90	47.7859	9.6	...	19.330	+11.463	-3	...	...	...	21.109	-29.536	1.00	47.7866	9.6
...	+17.498	+0.294	-5	m	...	*	+19.363	-38.076	0.95	47.7863	9.6	...	+21.129	-1.347	-5	a	...	
...	17.523	+30.360	-5	...	...	...	19.366	+30.837	-4	...	...	...	21.148	-2.496	-1	...	...
...	17.547	-24.137	0.85	...	...	...	19.368	+39.181	-2	...	...	...	21.191	+28.813	0.80	...	...
n*	17.565	-16.874	1.00	47.7860	8.4	...	19.412	-47.803	0.65	...	...	...	21.314	-57.941	-3	...	...
*	17.579	+16.201	0.95	...	...	...	19.444	+36.328	-3	...	...	...	21.339	-53.118	0.80	...	...
1541	+17.620	-49.599	-3	...	...	...	+19.449	-51.343	-5	...	...	...	+21.343	-9.492	-5	...	...
...	17.637	+57.496	-5	...	...	...	19.478	+32.241	-5	...	...	...	21.420	+36.511	-4	...	...
...	17.641	-9.199	-4	...	...	...	19.505	+44.356	-5	...	...	...	21.421	+7.592	0.70	...	...
n*	[17.697]	+30.304	-3	...	...	...	19.546	+17.103	-5	...	...	...	21.422	-12.787	-4	...	...
17.722	-16.823	1.80	47.7860	8.4	...	19.591	+19.448	-4	a	...	...	21.447	+32.404	-4	a	...	
...	+17.733	+56.225	0.85	...	...	...	+19.606	+50.738	0.80	...	...	...	+21.574	+53.266	-3	...	...
...	17.758	-46.649	-2	...	...	*	19.628	-45.155	0.90	...	...	...	21.593	-27.755	-1	...	...
...	17.764	+14.038	-5	m	...	...	19.648	+47.795	-5	...	...	...	21.637	+20.886	-5	...	...
...	17.794	+53.812	-5	...	...	...	19.667	-20.392	-5	...	...	...	21.684	+26.294	0.85	...	...
...	17.842	+55.905	-3	...	...	*	19.690	+35.704	0.95	46.8170	9.6	...	21.715	+3.537	-5	m	...
1551	*+17.974	-7.749	1.40	47.7861	9.2	†	+19.744	+58.740	-1	1671	+21.718	+11.484	-5
...	17.994	-55.435	-1	...	...	†	19.792	-13.963	-5	...	...	...	21.745	+8.883	-5	...	...
...	18.002	-19.533	-4	...	...	†	19.797	-14.822	-4	...	...	...	21.756	+0.462	-1	...	...
...	18.043	-20.922	-2	...	...	S †	19.815	+7.470	2.50	46.8171	8.2	...	21.770	-19.286	0.65	...	...
...	18.046	-16.354	-3	...	...	...	19.837	-10.453	-3	...	...	*	21.787	-36.838	1.05	47.7867	9.6
...	+18.111	+27.508	-4	...	...	...	+19.853	-15.718	-3	...	...	...	+21.838	-53.792	-3	...	...
...	18.220	+31.753	-4	...	...	*	19.902	-23.779	1.25	47.7864	9.3	...	21.844	-0.868	-4	...	...
...	18.246	+25.031	-5	...	...	...	19.926	+41.502	-5	...	...	...	21.855	-26.120	-5	...	...
...	18.275	-23.400	-4	...	...	...	19.929	+1.046	-4	m	...	...	21.893	+17.641	-4	...	...
...	18.277	-49.969	-2	...	...	...	19.960	-41.650	-5	...	...	...	21.937	+13.180	0.65	...	...
1561	+18.285	+41.916	-3	+19.968	+15.090	0.90	1681	+21.951	-40.234	-2
...	18.359	+16.136	-5	...	...	...	20.009	-19.084	0.65	...	...	...	21.967	-33.563	-5	...	...
...	18.366	-17.903	-3	...	...	*	20.022	-21.502	1.05	47.7865	9.5	...	21.991	+20.688	-2	...	...
...	18.424	+33.721	-3	...	...	...	20.023	-5.372	-4	...	...	...	22.012	-52.066	-5	...	...
...	18.459	+40.802	-5	...	...	...	20.092	-51.015	-5	...	...	...	22.088	+13.050	-5	m	...
...	+18.467	-13.412	2.00	47.7862	8.7	...	+20.156	-15.807	-3	...	...	*	+22.113	-45.189	1.00	...	...
...	18.542	+25.349	-5	m	...	...	20.180	-20.478	-5	...	...	*	22.142	-17.211	1.50	47.7868	9.2
...	18.555	+48.505	-5	...	...	...	20.180	-26.480	0.70	...	...	...	22.149	-51.966	-3	...	...
...	18.555	+17.180	-4	...	...	...	20.195	+4.456	-3	...	...	...	22.204	-23.269	-3	...	...
...	18.555	-55.460	-4	...	...	...	20.259	+5.238	0.65	...	...	*	22.205	+18.351	1.30	46.8172	9.4
1571	+18.579	+32.068	-4	+20.378	-43.918	-5	a	1691	+22.235	+10.413	-1
...	18.608	-21.576	-3	...	...	...	20.398	-27.456	0.90	...	...	...	22.251	-26.810	-3	...	...
...	18.625	-43.409	0.90	...	...	...	20.479	-57.840	-1	...	...	...	22.303	+0.436	-5	m	...
...	18.636	-43.200	-1	...	...	...	20.520	+9.880	-4	...	...	*	22.340	-38.645	1.10	47.7869	9.6
...	18.700	+12.681	-5	...	...	...	20.623	-38.048	-3	...	...	...	22.354	-39.553	-2	...	...
...	+18.725	-33.775	-5	...	...	...	+20.625	+29.254	0.70	...	...	...	+22.367	-52.582	-1	...	...
...	18.762	+4.607	0.90	...	...	...	20.654	+42.496	-5	...	...	...	22.416	-25.601	-5	...	...
...	18.771	-14.450	-4	...	...	...	20.673	-37.435	-5	...	...	...	22.425	-11.921	-5	...	...
*	18.784	+20.026	1.00	46.8168	9.6	...	20.685	-35.830	-5	...	...	...	22.434	+8.710	-5	m	...
...	18.804	+42.080	-5	...	...	...	20.689	-55.212	-4	...	...	...	22.448	-42.958	0.65	...	...
1581	+18.896	-47.524	-5	+20.692	-28.350	-5	a	1701	+22.494	+11.035	-5
...	18.913	-0.121	-3	...	...	...	20.714	-11.449	0.85	...	...	...	22.525	+40.471	-3	...	...
...	18.914	-5.973	-4	...	...	...	20.724	-36.856	-5	...	...	...	22.559	+26.075	0.80	...	...
*	18.974	+48.319	-1	...	...	...	20.731	+16.917	-5	m	...	...	22.567	+32.500	-5	...	...
...	19.084	-2.423	1.30	46.8169	9.4	...	20.812	-18.865	-5	a	...	...	22.573	-58.904	-3	...	...
...	+19.123	-55.332	-5	...	...	...	+20.858	-4.281	-1	...	...	*	+22.624	-35.293	1.80	47.7870	8.9
...	19.143	-33.646	-4	...	...	...	20.895	-50.381	-5	a	...	...	22.659	+13.112	0.75	...	...
...	19.172	+9.855	-5	...	...	...	20.951	-26.352	-3	...	...	*	22.703	-49.606	1.80	47.7871	9.0
...	19.188	-53.677	-4	...	...	...	20.990	-46.315	0.70	...	...	...	22.770	-6.404	-3	...	...
...	19.228	-51.799	-4	...	...	...	21.023	-27.065	-4	...	...	*	22.785	+34.967	1.10	46.8173	9.4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1711-1770																	
1711	+22°798	+38°011	-4	o	...	...	+24°612	+27°720	-5	o	...	...	+26°869	-33°048	-4	o	...
...	22°798	+17°788	-3	...	...	...	24°635	+7°475	-5	m	...	...	26°921	+56°102	-5	...	...
...	22°821	-4°667	-5	...	...	*	24°645	+53°159	1°10	46.8178	9°6	...	26°993	-35°880	0°80	...	...
*	22°841	+24°103	2°40	46.8174	8°4	...	24°647	+33°843	-3	...	...	...	27°007	-27°031	-3	...	...
...	22°881	+5°250	-5	m	...	...	24°682	+43°611	-2	...	...	...	27°010	+33°216	-4	...	...
...	+22°932	+36°952	-5	m	...	†	+24°746	-56°206	-3	...	...	...	+27°055	+22°421	-5	m	...
...	22°935	+14°615	-4	a	...	...	24°784	-33°927	-5	...	...	...	27°108	-19°728	-3	...	...
...	22°992	-23°746	-5	...	...	...	24°838	+30°395	-5	...	...	...	27°130	+35°523	-2	...	...
*	22°994	+14°690	1°20	46.8175	9°4	*	24°881	-44°568	0°95	47.7874	9°6	...	27°130	-37°394	0°65	...	...
...	22°996	-29°205	-5	...	...	...	24°973	+33°245	-4	...	...	...	27°134	+16°398	0°75	...	...
1721	+23°010	+11°268	-5	m	...	1781	+24°983	-2°108	-5	...	...	1841	+27°145	+19°371	-4	...	...
...	23°015	+37°686	-2	...	...	...	24°990	-45°358	-2	...	...	...	27°164	-22°393	-5	...	...
...	23°027	-41°393	0°70	...	...	S*	25°005	-27°493	3°10	47.7873	7°9	...	27°172	-43°770	-4	...	...
†	23°102	+39°879	-5	...	...	*	25°147	+53°853	1°00	46.8179	9°6	...	27°184	+36°734	-2	...	...
...	23°121	-51°023	-3	...	...	...	25°219	+34°241	-4	...	...	...	27°186	+23°562	-5	...	...
...	+23°236	-8°161	-4	...	...	...	+25°255	+56°147	-5	m	...	...	+27°207	-41°493	0°65	...	...
...	23°259	-4°920	-5	...	...	...	25°255	+9°785	0°80	...	...	...	27°243	-58°655	-5	...	...
*	23°266	+37°285	1°15	46.8176	9°4	...	25°336	+27°325	-5	...	...	...	27°277	+40°168	-5	...	...
...	23°359	+29°819	-3	...	...	*	25°359	+4°871	0°90	46.8181	9°6	...	27°281	+0°319	-3	...	...
...	23°359	-42°246	0°65	...	...	...	25°364	+12°108	-4	...	...	...	27°290	+39°251	-5	m	...
1731	+23°386	+23°737	-2	...	...	1791	+25°399	+45°017	1°00	46.8180	9°5	1851	+27°297	+50°631	-3	...	...
...	23°397	+58°650	-4	...	...	...	25°480	+57°878	-3	...	...	...	27°339	-43°421	-5	m	...
...	23°429	+13°745	-5	m	...	...	25°480	+11°816	-4	a	...	...	27°346	-39°591	-4	...	...
...	23°440	+34°767	-5	m	...	...	25°566	-18°367	-4	...	...	...	27°350	-26°675	0°85	...	...
...	23°456	-11°961	0°95	...	...	...	25°570	+24°051	-5	...	...	...	27°369	+20°145	-4	...	...
...	+23°483	-33°598	--4	...	...	...	+25°583	-26°443	-5	...	...	*	+27°406	+29°686	0°90	...	...
...	23°592	-50°267	-4	...	...	...	25°699	-24°220	-4	...	...	...	27°557	+10°795	-5	m	...
...	23°599	-45°864	-5	...	...	...	25°714	+8°048	-4	...	...	...	27°586	+19°488	-4	...	...
...	23°662	+25°819	-5	m	...	...	25°730	-8°547	-4	...	...	...	27°651	+39°972	-4	...	...
*	23°678	+8°931	2°50	46.8177	8°4	...	25°826	+21°273	0°70	...	...	...	27°678	+9°361	1°10	46.8185	9°6
1741	+23°708	-6°883	-2	...	...	1801	*+25°902	-40°335	0°90	...	...	1861	+27°680	+29°004	-5	...	...
...	23°762	-50°279	-4	...	...	...	25°926	+12°850	-5	...	...	...	27°685	+42°522	-5	m	...
...	23°768	-50°582	-5	m	...	...	25°955	-41°864	-4	...	...	*	27°783	+36°005	1°00	46.8184	9°6
...	23°795	+27°118	0°75	...	...	...	26°011	-6°474	-2	...	...	...	27°791	+40°707	0°75	...	...
...	23°843	+29°457	-5	...	...	...	26°021	+20°587	0°70	...	...	...	27°817	+24°347	-5	...	...
...	+23°906	-26°705	-5	...	...	...	+26°074	+46°852	-5	m	...	...	+27°830	-31°556	-2	...	...
...	23°913	+47°498	-5	m	...	*	26°081	-20°843	1°10	47.7875	9°5	...	27°836	+38°734	-2	...	...
...	23°940	-11°784	0°70	...	...	...	26°207	+25°137	-4	a	...	...	27°969	-20°716	-5	...	...
...	23°958	+13°841	-5	...	...	...	26°213	-34°075	-5	m	...	...	27°970	+20°836	-5	m	...
...	23°976	-46°299	-4	...	...	...	26°307	+2°896	-4	...	...	...	28°046	+26°009	-3	...	...
1751	+23°987	+17°301	-5	...	...	1811	+26°350	+25°077	-4	a	...	1871	+28°072	+32°589	-4	...	...
...	24°020	+37°610	-2	...	...	...	26°400	+3°643	-5	...	...	...	28°089	+51°968	0°90	...	...
...	24°043	-10°251	-5	...	...	...	26°434	+15°341	-5	m	...	...	28°092	+47°624	-4	...	...
...	24°098	+13°427	-5	...	...	...	26°468	+11°642	-5	...	...	...	28°099	-6°571	-5	...	...
...	24°135	-41°892	-5	m	...	...	26°528	+30°138	-5	m	...	...	28°121	-51°554	0°65	...	...
...	+24°156	+56°435	-3	...	...	...	+26°577	+15°911	-5	...	...	...	+28°133	+37°818	-4	...	...
...	24°196	+4°488	0°70	...	...	...	26°583	-41°727	0°90	...	...	...	28°199	-17°939	-5	...	...
*	24°240	-12°134	1°05	...	...	*	26°597	+37°958	0°90	...	...	...	28°243	+36°189	-5	...	...
...	24°247	+43°214	0°65	...	...	*	26°597	+22°760	0°95	46.8182	9°6	...	28°280	+31°143	-4	...	...
...	24°264	+32°913	-2	...	...	...	26°603	-22°092	-4	...	...	...	28°326	+21°061	0°80	...	...
1761	*+24°310	-57°012	1°05	47.7872	9°6	1821	+26°632	+37°763	-2	...	...	1881	+28°361	-14°540	-3	...	...
...	24°371	+34°779	-2	...	...	*	26°655	+21°461	1°00	46.8183	9°6	...	28°389	+36°070	-5	...	...
...	24°426	+58°080	-4	...	...	...	26°698	-26°565	-3	...	...	...	28°469	+42°501	-4	...	...
...	24°449	-22°893	-5	...	...	...	26°734	+10°259	-5	m	...	...	28°538	+14°217	-3	...	...
...	24°528	+33°870	-5	m	...	...	26°751	+56°466	-5	m	...	...	28°567	+44°962	-5	m	...
...	+24°530	+52°948	-5	m	...	...	+26°763	+36°287	-3	...	...	...	+28°602	+14°050	-5	...	...
...	24°533	+44°021	-2	...	...	...	26°770	-44°821	-3	...	...	...	28°665	+21°035	-5	...	...
...	24°552	+30°947	-5	m	...	...	26°776	+49°715	-5	m	...	...	28°691	+32°704	-2	...	...
...	24°558	+13°256	0°85	...	...	...	26°777	-50°291	-4	...	...	...	28°702	+58°792	0°85	45.8109	9°6
...	24°588	+38°793	0°70	...	...	...	26°836	+49°576	-2	...	...	...	28°737	+55°884	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1891-1950																	
1891	+28.795	+19.097	-3	o		1951	+31.141	+52.188	-2	o		2011	+32.976	-36.204	-5	m	
...	28.805	+29.708	-4	...		...	31.182	-33.282	-1	...		...	32.979	-28.126	-5	...	
†	28.807	+4.917	0.80	...		...	31.221	-34.716	-1	...		...	33.074	-6.818	-5	...	
...	28.822	-37.706	-5	...		...	31.233	-13.559	-4	...		...	33.126	+18.690	-4	...	
...	28.825	-20.782	0.90	...		...	31.313	+37.218	-5	m		...	33.174	-32.731	-5	m	
...	+28.832	-2.735	-3	...		...	+31.401	-8.402	-4	...		...	+33.192	-22.641	-3	...	
*	28.862	+8.019	0.90	...		...	31.447	+47.100	-4	...		...	33.207	-33.184	-4	...	
...	28.954	+43.665	-5	...		...	31.465	-17.455	-5	...		...	33.230	+10.155	-4	...	
*	29.042	+39.226	1.10	46.8186	9.2	...	31.488	+48.308	-5	...		...	33.236	+39.193	-5	...	
...	29.073	-54.528	0.80	...		...	31.490	+6.147	-3	...		...	33.301	-35.273	-4	...	
1901	+29.078	+37.057	-4	...		1961	+31.496	+41.300	-5	m		2021	+33.328	-16.217	-5	...	
...	29.090	+39.978	-3	...		...	31.511	-43.603	1.20	47.7878	9.6	...	33.338	+25.494	1.00	46.8192	9.6
...	29.159	+36.929	-5	m		...	31.526	+16.279	-5	...		...	33.403	-31.458	-4	...	
*	29.215	-11.816	1.00	47.7877	9.5	...	31.560	+33.957	-5	m		...	33.436	-8.233	-3	...	
†	29.247	-5.020	1.00	47.7876	9.4	...	31.562	+57.888	-4	...		...	33.438	+28.713	-3	...	
...	+29.252	-0.847	-3	...		...	+31.568	-49.683	1.15	47.7879	9.6	...	+33.459	+32.243	-5	m	
...	29.282	-27.271	-3	...		...	31.580	+21.334	-5	...		...	33.520	+48.441	-4	...	
...	29.454	+6.335	-4	...		...	31.616	+4.178	-4	...		...	33.547	+39.602	-5	m	
...	29.515	+11.137	-4	...		...	31.622	+42.354	0.95	...		...	33.583	+8.511	-5	m	
...	29.523	+36.755	-5	...		1971	31.627	+32.108	0.70	...		2031	33.654	-41.480	0.80	...	
1911	+29.524	+48.474	-4	...		...	+31.636	-10.954	-5	...		...	+33.695	+16.118	-5	...	
...	29.529	+30.412	-5	...		...	31.707	+10.232	-5	m		...	33.707	-44.986	1.35	47.7883	9.2
...	29.574	+51.878	0.75	...		...	31.712	-32.876	1.05	47.7880	9.5	S *	33.815	+48.013	1.15	46.8193	9.5
...	29.583	-16.875	-3	...		...	31.756	+33.409	-5	...		...	33.820	-58.671	1.85	47.7884	8.8
N	29.618	+24.986	-5	...		...	31.758	+32.301	-5	m		...	33.821	-5.221	-5	...	
...	+29.620	+42.767	-5	...		...	+31.807	+57.635	-5	m		...	+33.830	+9.742	-5	m	
...	29.627	+56.218	-4	...		...	31.809	+3.824	-3	...		...	33.870	-3.708	-4	...	
†	29.630	-57.325	-2	...		...	31.824	-40.909	-5	m		...	33.960	+9.310	-3	...	
†	29.772	+6.790	1.40	46.8187	9.2	...	31.848	-35.591	-5	m		...	33.983	+41.356	-2	...	
...	29.827	-34.679	-2	...		1981	31.869	-22.343	-5	...		2041	33.995	+38.165	0.80	...	
1921	+29.899	+46.266	-5	...		...	+31.903	-49.762	-5	...		...	+34.019	-8.655	0.70	...	
...	29.912	+51.612	-5	...		...	31.941	-43.711	-5	m		...	34.055	+10.752	-3	...	
...	29.963	-52.009	-5	m		...	32.011	-43.479	0.70	...		...	34.085	-56.044	0.65	...	
...	29.971	+10.703	-5	m		...	32.036	-22.704	0.70	...		...	34.089	-34.074	-4	...	
*	30.014	+7.948	1.40	46.8188	9.2	...	32.059	+53.603	0.65	...		...	34.101	-43.321	-4	...	
...	+30.018	+12.379	-2	...		...	+32.088	+10.960	1.40	46.8190	9.3	...	+34.216	+38.768	-4	...	
...	30.030	-18.924	-4	...		...	32.122	-36.740	-2	...		...	34.294	+56.931	-5	...	
...	30.059	-14.717	-5	...		...	32.159	+37.785	-5	m		...	34.311	-36.475	-4	...	
...	30.099	+21.946	0.70	...		...	32.193	-42.546	-5	m		...	34.318	+19.798	-3	...	
...	30.099	-31.665	-5	m		1991	32.209	+30.400	-5	...		2051	34.342	-8.295	0.65	...	
1931	+30.135	+13.238	-4	...		...	+32.236	+12.396	-5	m		...	+34.345	-5.665	-4	...	
...	30.159	-57.027	-1	...		...	32.284	+33.133	-5	...		...	34.383	-44.538	0.80	...	
...	30.186	-28.026	-5	...		...	32.311	+27.286	-5	m		...	34.388	+21.975	-2	...	
...	30.243	+55.285	-5	m		...	32.368	+18.635	-2	...		...	34.437	+27.847	-5	...	
...	30.363	+40.291	-5	...		...	32.433	+14.742	-5	m		...	34.469	+14.587	-5	m	
...	+30.367	-13.139	-5	...		...	+32.546	+45.231	-5	...		...	+34.506	+42.046	-5	...	
...	30.373	+34.388	-3	...		...	32.628	+25.502	1.05	46.8191	9.6	...	34.515	+14.300	-1	...	
...	30.384	+7.890	-5	...		...	32.650	+10.854	-5	m		...	34.593	+38.101	-5	...	
...	30.476	+11.088	-1	...		...	32.674	+34.137	-5	m		...	34.607	+13.001	-1	...	
...	30.502	-26.378	0.70	...		2001	32.721	+9.388	-5	...		2061	34.618	+13.805	-5	...	
1941	+30.521	+20.590	-5	m		...	+32.789	+4.877	0.80	...		...	+34.647	-2.442	-2	...	
...	30.534	+43.140	-5	...		...	32.840	-50.973	-1	...		...	34.767	-11.740	-5	...	
...	30.627	+23.294	-4	...		...	32.860	-0.102	-4	α		...	34.809	-37.434	0.80	...	
...	30.663	+38.780	-5	m		...	32.868	+47.221	-5	...		...	34.821	+6.635	-4	m	
...	30.686	-5.645	-5	...		...	32.892	+30.950	-1	...		...	34.903	-19.770	-5	...	
...	+30.695	-31.911	-5	m		...	+32.905	-29.664	1.80	47.7882	8.9	*	+34.937	+26.469	1.00	46.8194	9.5
...	30.818	+30.056	0.75	...		...	32.924	+2.350	-3	...		...	35.008	+30.313	-2	...	
...	30.832	-23.018	-5	...		...	32.926	-10.464	-5	...		...	35.014	+20.221	-1	...	
*	30.854	+30.589	0.95	46.8189	9.6	...	32.944	+26.219	-5	...		...	35.018	-25.238	-4	...	
...	31.121	+51.645	-5	m		...	32.955	+54.787	c.65	...		...	35.135	+25.878	-5	...	

1915. Flaw on image.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
2071-2130																	
2071	+35°15'1	-5°44'8	-3	o	...	2131	+37°28'7	+24°86'1	-5	o	...	2191	+39°100	-47°33'2	-5	m	...
*	35°15'4	-10°77'9	0°95	47.885	9°5	...	37°34'6	+25°71'0	-5	...	...	...	39°132	-34°98'2	0°85	...	...
...	35°25'2	-29°74'8	-4	...	...	*	37°36'4	+9°58'4	1°70	46.8199	9°0	...	39°257	+42°73'2	-3	...	...
...	35°30'5	-1°98'2	-5	...	...	...	37°39'3	+48°05'5	-2	...	...	...	39°290	+15°12'6	-5	...	...
...	35°42'8	-13°29'2	0°90	...	...	...	37°40'2	+22°26'5	0°80	...	...	...	39°301	+24°08'2	-5	...	...
...	+35°51'1	+22°19'4	-5	...	...	...	+37°47'7	-21°88'2	0°90	...	...	...	+39°337	+9°55'9	-5	m	...
...	35°53'5	+41°84'0	-5	m	...	...	37°49'1	+26°99'2	-4	...	...	...	39°342	+10°25'6	-5	...	...
...	35°66'4	+28°91'5	-4	...	...	...	37°51'0	+5°35'3	-3	...	...	*	39°384	+10°63'6	1°40	46.8206	9°0
...	35°67'3	-49°35'6	-5	...	...	...	37°54'0	+0°27'0	-3	...	...	...	39°388	+59°05'3	-5	...	...
...	35°74'0	-52°71'3	-3	...	...	*	37°55'0	-45°78'7	1°10	47.7886	9°2	...	39°405	+9°62'3	1°00	46.8207	9°4
2081	+35°80'1	+22°73'2	1°00	46.8195	9°4	2141	+37°86'1	+40°15'0	-5	m	...	2201	+39°49'6	-17°33'0	-2	...	...
...	35°83'3	+19°41'2	-5	...	...	...	37°86'6	+0°19'6	-5	...	...	...	39°52'6	+9°59'2	-2	...	...
...	35°86'1	+33°15'3	-2	...	...	...	37°87'9	-39°79'6	-5	...	...	...	39°56'6	+19°25'3	-1	...	...
...	35°96'7	+18°33'0	-5	m	...	...	37°90'1	+4°35'8	-2	...	...	*	39°57'5	-28°77'7	1°30	47.7890	9°0
...	35°99'3	+40°80'6	0°75	...	...	...	37°90'5	+8°23'0	-4	a	...	...	39°64'5	-2°21'5	0°75	...	...
...	+36°02'1	-12°23'1	-4	...	...	...	+37°91'8	+7°89'7	0°90	...	...	+	39°65'3	+15°60'5	0°95	46.8208	9°5
...	36°20'3	+42°53'6	-4	...	...	...	37°93'6	+36°60'1	-5	m	...	...	39°67'9	+34°15'5	-3	...	...
...	36°21'9	+41°75'2	-2	...	...	...	38°01'3	+28°62'6	-5	m	...	...	39°72'9	-45°30'9	-5	m	...
*	36°28'0	+47°19'7	2°00	46.8196	8°2	*	38°02'9	+10°85'6	1°10	46.8200	9°3	...	39°75'3	-48°40'1	-3	...	...
...	36°28'1	+42°08'6	-3	...	...	...	38°04'4	+38°36'4	-1	...	...	†	39°79'1	+55°50'9	0°65	...	...
2091	+36°30'1	+18°46'8	-5	...	...	2151	+38°15'0	-33°24'2	-2	...	...	2211	+39°80'5	+44°99'0	-5	...	...
...	36°30'8	-16°28'6	-4	...	...	...	38°18'5	+7°15'4	-5	...	...	...	39°83'4	+0°49'8	-2	...	...
...	36°33'2	+8°86'2	-2	...	...	...	38°28'5	+14°20'9	-4	...	...	...	39°83'8	-58°44'9	-5	...	...
...	36°33'5	-14°48'0	-4	...	...	n	38°34'1	+9°04'4	0°70	46.8203	9°6	...	39°91'0	-20°19'5	-5	...	...
...	36°35'2	-11°98'7	-5	...	...	*	38°37'1	+12°39'6	1°20	46.8201	9°4	...	39°93'4	+9°08'8	0°65	...	...
...	+36°37'5	-15°54'3	-4	...	...	...	+38°42'6	+15°00'9	-5	m	...	*	+39°93'7	-10°65'8	1°00	47.7891	9°6
...	36°39'8	+40°58'2	-5	...	...	...	38°43'0	+55°21'2	-3	...	...	...	39°93'8	+6°53'0	-5	m	...
...	36°39'8	+36°44'8	0°90	...	...	n	38°45'2	+9°00'5	0°65	46.8203	9°6	...	39°94'7	+36°45'9	-5	...	...
*	36°43'8	+27°96'4	1°00	46.8197	9°5	...	38°45'3	+12°66'9	-5	...	...	...	39°95'1	+27°66'1	-5	m	...
...	36°43'9	-20°57'1	-4	...	...	...	38°46'5	+9°84'9	-4	...	...	...	40°00'0	+29°21'5	-3	...	...
2101	+36°45'3	-38°81'8	-2	...	...	2161	+38°51'9	+8°64'1	-4	...	...	2221	+40°00'7	+5°59'7	-5	m	...
...	36°47'4	-6°63'7	0°65	...	...	...	38°52'1	-26°63'7	-5	...	...	...	40°01'9	+18°02'5	-5	m	...
...	36°47'7	+15°23'4	-2	...	...	...	38°53'0	+8°96'3	-2	...	...	...	40°05'2	-12°00'9	-5	...	...
*	36°48'5	-2°59'1	0°90	46.8198	9°6	...	38°55'7	-38°31'4	-4	...	...	...	40°05'9	+46°22'1	-4	...	...
...	36°50'8	+21°49'7	0°90	...	...	...	38°57'9	-38°68'3	0°75	...	...	...	40°06'9	+10°64'8	-3	...	...
...	+36°52'0	+26°66'6	0°80	...	...	...	+38°58'8	+10°74'4	-2	...	...	+	40°07'7	-20°50'5	-4	...	...
...	36°56'0	-1°82'2	-4	...	...	*	38°61'8	-47°36'7	1°80	47.7888	8°8	†	40°09'6	-25°00'8	-5	...	...
...	36°59'9	+35°19'1	-5	m	...	...	38°61'9	-3°28'1	-5	...	...	...	40°19'1	+4°77'9	-4	m	...
...	36°60'0	-42°66'4	0°90	...	...	†	38°61'9	-49°91'1	0°65	...	...	...	40°23'3	+16°91'3	-3	...	...
...	36°60'1	+10°16'3	-5	...	...	...	38°64'3	+31°24'0	-5	...	...	...	40°33'3	+18°17'3	-3	...	...
2111	+36°61'0	-11°51'7	-3	...	...	2171	+38°64'7	+9°30'0	1°00	46.8204	9°5	...	+40°36'3	+4°65'6	0°70	...	...
...	36°62'7	+35°47'9	-5	...	...	...	38°67'7	-46°69'4	-5	m	...	...	40°40'1	+9°68'3	-3	...	...
...	36°64'1	+7°54'1	-5	m	...	*	38°72'5	+41°70'7	3°00	46.8202	7°7	...	40°47'6	-47°74'1	-5	...	...
...	36°66'7	+28°26'9	-5	m	...	...	38°72'9	+7°00'4	-5	m	...	*	40°47'7	+3°85'6	0°95	...	...
...	36°77'8	-14°27'1	-5	...	...	...	38°73'6	-21°23'5	0°90	...	...	...	40°48'0	+43°57'9	0°85	...	...
...	+36°78'9	+5°96'8	-4	...	...	...	+38°74'5	+10°27'1	-3	...	...	...	+40°51'2	+10°37'6	-3	...	...
...	36°84'4	-25°48'6	0°90	...	...	*	38°74'5	+9°10'8	1°00	46.8204	9°5	...	40°52'5	+35°46'6	-5	m	...
...	36°85'1	+6°89'7	-4	...	...	...	38°76'6	+10°07'0	0°65	...	...	...	40°54'4	+9°16'7	-2	...	...
...	36°88'4	+55°33'1	-1	...	...	...	38°80'1	+9°29'3	-4	...	...	...	40°55'4	+28°87'4	-5	...	...
...	36°90'7	+4°71'0	-4	...	...	...	38°85'7	+11°43'7	-1	...	...	...	40°58'3	+6°07'8	-2	...	...
2121	+37°00'7	+7°71'3	-3	...	...	2181	+38°90'2	+0°52'3	-4	...	...	2241	+40°59'1	+8°19'2	-5	m	...
...	37°01'8	+9°61'5	-4	...	...	...	38°94'7	+8°75'6	-5	m	...	...	40°61'3	-37°20'5	-5	m	...
...	37°03'8	+7°08'6	-5	m	...	*	38°98'2	-24°17'1	1°00	47.7889	9°6	...	40°65'1	-14°24'3	-5	...	...
...	37°06'9	-28°25'2	-5	...	...	...	38°98'9	+7°54'0	-3	...	...	...	40°67'0	+9°98'6	-2	...	...
...	37°11'0	+48°37'9	-2	...	...	...	38°99'5	+4°6°27'6	-4	...	...	...	40°67'6	-11°26'0	-5	...	...
...	+37°13'0	-22°71'5	-4	...	...	...	+39°02'9	+52°57'4	-5	m	...	+	40°69'8	+3°95'2	-4	m	...
...	37°18'2	-27°00'1	0°80	...	...	...	39°04'9	-11°17'5	0°90	47.7887	9°6	...	40°70'0	+9°13'9	-5	m	...
...	37°19'3	-48°35'7	0°90	...	...	S *	39°06'4	+49°40'3	-5	m	...	*	40°76'4	-0°57'1	0°95	46.8210	9°6
†	37°20'8	+4°97'7	-4	...	...	...	39°07'1	+39°00'1	3°80	46.8205	7°0	...	40°77'6	+18°47'2	0°90	46.8209	9°6
...	37°24'4	+20°69'8	-5	...	...	...	39°07'7	+28°44'6	0°75	...	...	...	40°96'4	+8°55'9	-3	...	...

2154, 2158. C.P.D., mass.

2171, 2177. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
2251-2310																		
2251	+40·988	-28·298	-3	o	...	2311	+43·052	-6·593	-5	o	...	2371	+45·625	+10·427	-4	o	...	
...	+41·052	+28·616	-3	...	...	...	43·062	+35·848	-1	...	...	...	45·653	-21·444	-1	...	...
...	+41·068	+56·254	-2	...	...	...	43·182	-48·598	0·75	...	...	*	45·675	-25·792	0·95	47·7897	9·6
...	+41·069	-21·142	-2	...	...	...	43·207	+27·427	-5	m	...	...	45·683	-33·697	-4	...	...
...	+41·070	-46·228	-4	...	...	*	43·237	+5·287	1·20	46·8220	9·6	...	45·709	-8·055	-5	...	...
...	+41·082	+15·370	-3	a	...	...	+43·259	+5·794	-5	e	...	...	+45·726	+52·901	-4	...	...
...	+41·108	-2·457	-5	...	...	*	43·286	+5·547	1·80	46·8221	9·0	...	45·776	+24·414	-4	...	...
...	+41·148	-21·071	-2	...	...	...	43·353	+4·013	-4	...	...	...	45·791	+2·021	-5	m	...
...	+41·161	+43·146	-4	...	...	...	43·433	+0·796	0·65	...	...	...	45·945	+7·676	-5	e	...
...	+41·179	+42·335	-3	...	...	...	43·490	+5·106	-3	...	...	...	45·960	-25·779	-4	...	...
2261	+41·234	-51·330	-4	...	...	2321	+43·492	-6·592	-2	...	...	2381	+46·017	+17·045	-5	m	...
...	+41·241	-23·693	-5	m	...	...	43·541	-22·692	-5	m	...	...	46·065	+58·126	-4	...	...
...	+41·352	-24·331	0·70	...	...	...	43·584	-10·677	-3	...	...	...	46·202	+16·840	-4	...	...
...	+41·368	+29·212	-4	...	...	...	43·588	-29·164	-1	...	...	...	46·248	+23·749	-3	...	...
...	+41·381	+5·926	-1	...	...	...	43·611	-11·049	-4	...	...	...	46·321	+22·089	-5	e	...
...	+41·411	-37·637	-5	...	...	...	+43·615	+49·531	-4	...	...	...	+46·382	-6·844	0·75	...	...
...	+41·461	-44·227	-5	m	...	...	43·617	+6·504	-5	...	...	...	46·393	-49·268	-5	m	...
...	+41·481	+20·019	-3	...	...	*	43·649	+49·707	1·20	46·8219	9·5	...	46·410	+3·040	-2	...	...
...	+41·489	+30·088	-5	m	...	...	43·695	+43·721	-3	...	...	...	46·448	+33·040	0·80	...	...
...	+41·555	-47·816	-5	m	...	...	43·742	+38·422	-5	...	...	...	46·464	-17·698	-2	...	...
2271	+41·558	+53·033	-5	m	...	2331	+43·759	+5·324	3·40	46·8223	7·7	2391	+46·482	-12·735	-5	...	...
...	+41·692	-4·771	-4	...	...	...	43·826	+13·301	-5	m	...	...	46·489	-3·926	-2	...	...
...	+41·741	+5·257	-3	...	...	*	43·890	+29·357	1·20	46·8222	9·5	...	46·513	-17·847	-1	...	...
...	+41·742	+53·476	-5	m	...	...	43·915	+18·200	-5	...	...	...	46·629	+31·890	-4	...	...
...	+41·781	+8·690	0·80	...	...	...	43·945	+17·603	0·75	...	...	*	46·653	-10·747	1·00	47·7899	9·6
...	+41·893	-14·256	-4	...	...	...	+44·056	+21·110	-5	m	...	...	+46·679	+10·557	-2	...	...
...	+41·911	+17·736	-2	...	...	...	44·111	-12·789	-3	...	...	...	46·779	-32·564	0·70	...	...
*	+41·964	+0·123	0·95	46·8211	9·6	*	44·229	-15·419	1·10	47·7893	9·6	...	46·817	+4·229	-4	e	...	
†	+41·990	+29·908	-5	...	...	...	44·233	+6·098	-3	...	...	...	46·853	+9·209	-5	m	...
...	+41·993	+26·540	-4	...	...	...	44·262	+37·384	0·70	...	...	...	46·934	+52·671	-4	...	...
2281	*+42·052	-22·279	1·20	47·7892	9·3	...	2341	+44·458	+33·194	-5	m	...	2401	+46·961	-12·634	-3
...	+42·088	+38·357	0·80	...	...	...	44·461	+11·604	-5	m	...	...	47·032	-22·123	0·65	...	...
*	+42·140	+8·720	1·05	46·8212	9·6	...	44·506	+20·165	-5	...	...	...	47·163	+28·078	-5	...	...
...	+42·220	+23·272	-5	m	...	*	44·508	-11·645	1·10	47·7894	9·6	...	47·164	+33·523	-5	...	...
...	+42·257	+6·838	-3	...	...	†	44·732	-1·169	-4	...	...	...	47·239	-19·909	-2	...	...
†	+42·281	+19·910	-3	...	...	...	+44·746	-22·571	0·70	...	...	...	+47·277	+34·014	-4	...	...
...	+42·294	+54·166	-5	...	...	...	44·747	-14·895	-1	...	...	...	47·303	+2·592	-4	...	...
...	+42·309	+50·903	-5	m	...	...	44·903	-26·738	-5	...	...	...	47·311	+1·414	-2	...	...
...	+42·334	+14·074	-5	...	...	...	44·962	+7·386	-4	...	...	...	47·343	-40·665	-4	...	...
...	+42·336	+23·679	-5	m	...	*	44·987	+44·521	1·00	46·8224	9·6	...	47·352	-56·098	-5	m	...	
2291	+42·375	+2·460	-4	...	...	2351	+45·000	-21·662	-4	...	...	2411	+47·359	+48·756	-2	...	...
...	+42·392	-41·354	-3	...	...	...	45·006	-21·026	-5	m	...	...	47·433	-46·994	-2	...	...
...	+42·404	+28·854	-5	m	...	...	45·016	+40·155	-5	...	...	...	47·519	+17·176	0·85	...	...
...	+42·415	+7·784	-5	m	...	...	45·026	+15·952	0·95	...	...	...	47·582	+35·625	-1	...	...
*	+42·417	+9·595	1·00	46·8213	9·6	...	45·064	+22·055	-5	...	...	...	47·621	+11·978	-2	...	...
*	+42·438	+6·740	1·15	46·8215	9·5	...	+45·116	+6·655	-4	...	...	...	+47·639	+6·379	-4	...	...
...	+42·512	+10·679	-5	...	...	*	45·123	-18·141	0·95	47·7895	9·6	*	47·644	-8·645	1·20	47·7900	9·2
...	+42·556	+46·026	-3	...	...	...	45·226	-31·185	-1	...	...	...	47·745	-51·009	1·00	...	...
...	+42·637	-48·761	0·75	...	...	...	45·231	-25·438	-4	...	...	...	47·792	+54·015	-5	...	...
*	+42·652	+35·822	2·00	46·8214	8·7	...	45·251	+57·163	-4	...	...	*	47·877	-1·128	0·95	...	...
2301	+42·689	-50·495	-4	...	...	2361	+45·258	-15·460	-4	...	...	2421	+47·892	-58·345	-4	...	...
*	+42·697	+11·803	1·15	46·8217	9·6	...	45·286	-31·298	-2	...	...	...	47·947	-1·822	0·75	...	...
*	+42·744	+11·080	1·00	46·8216	9·6	...	45·319	+14·668	-5	m	...	...	47·976	+13·459	-5	...	...
*	+42·812	+15·514	0·65	...	...	...	45·337	+17·738	-5	e	...	...	47·996	-59·279	-5	...	...
*	+42·837	+5·897	2·30	46·8218	8·4	*	45·409	-35·900	1·70	47·7896	8·9	...	48·024	+38·631	-3	...	...
...	+42·850	+2·040	-2	...	...	...	+45·413	-6·255	-2	...	...	...	+48·027	+31·645	-4	...	...
†	+42·864	-15·001	-5	m	...	...	45·463	+18·344	-5	m	...	*	48·030	+39·018	0·95	...	...
...	+42·953	+56·665	0·70	...	...	...	45·469	-44·817	-4	...	...	...	48·069	+20·849	-4	...	...
...	+42·993	+39·269	-5	m	...	...	45·530	+25·685	-4	...	...	...	48·084	+29·421	-4	...	...
...	+43·030	+39·084	-5	m	...	*	45·612	-36·584	1·80	47·7898	9·0	...	48·096	+30·272	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
2431-2490																		
2431	+48°297	-7°952	-5	o		2491	+51°293	-53°532	-4	o		2551	+54°355	+13°944	-5	o		
...	48°324	+22°036	-5	m		...	51°305	-5°282	-1			...	54°384	+41°874	-5			
...	48°332	+21°749	-5	m		...	51°416	-15°829	-4			...	54°419	-5°569	-2			
...	48°338	+37°001	-4			8†	51°720	-24°933	2°55	47.7902	8.0	...	54°424	+24°144	-5			
...	48°553	+46°130	-2			...	51°772	+31°104	-5			...	54°441	+10°253	-5	m		
...	+48°651	+23°355	-4			...	+51°780	+14°850	0°65			...	+54°471	+36°161	0°85			
...	48°654	-25°257	-4			...	51°797	+32°510	-5			...	54°501	+6°145	-5	m		
...	48°679	+36°128	-4			...	51°797	-1°570	-5			...	54°638	+34°036	1°80	46.8229	8.8	
...	48°746	+21°009	0°90			...	51°809	+26°270	-5	m		...	54°645	-23°276	-3			
...	48°751	-12°363	-4			...	51°814	-57°586	-5	m		...	54°703	-7°495	-3			
2441	+48°781	-8°060	-2			2501	.	.	.	.	.	2561	+54°714	+16°920	-4		
n	48°802	+10°819	0°75	46.8225	9.6	...	+51°911	-27°032	-1			...	54°763	+11°100	-3			
...	48°821	+7°061	-3			...	51°941	+26°809	-1			...	54°800	+19°033	-3			
...	48°854	+3°154	-5			...	52°044	+18°423	-5			...	54°840	+8°993	1°40	46.8230	9.0	
...	48°910	+29°960	-5			...	52°057	-18°480	-4			...	54°985	-18°047	-2			
n	+48°942	+10°955	0°85	46.8225	9.6	...	+52°075	-11°122	-2			...	+55°064	+13°227	-1			
...	48°962	+33°192	-3			...	52°115	+8°689	-3			...	55°072	+57°199	-3			
...	48°986	+3°910	-5	m		...	52°115	-40°298	-5	m		...	55°084	+5°207	-5	m		
...	49°098	-2°317	-4			...	52°215	+37°930	-5	m		...	55°108	-9°878	-4			
...	49°144	+4°347	-2			...	52°215	+13°456	-4			...	55°135	+18°077	-4			
2451	+49°177	+40°697	-5	m		2511	.	.	.	.	.	2571	+55°160	+36°739	-5		
...	49°222	-48°319	-5			...	52°349	+55°927	-5			...	* 55°168	-3°770	1°70	47.7906	8.6	
...	49°236	+22°592	-3			...	52°461	+13°641	0°85			...	55°223	-12°991	-3			
...	49°258	+30°358	-5			...	52°469	+9°701	-4			...	55°223	-27°394	1°00	47.7907	9.6	
...	49°464	+43°376	-5			...	52°523	+0°102	-5	m		...	55°227	+19°397	-1			
†	+49°646	+22°374	0°85			...	+52°560	-7°197	-5			...	+55°247	+41°889	-5			
...	49°731	-43°954	-5	m		...	52°599	-15°232	-4			...	55°289	+48°787	-4			
†	49°732	+24°991	-4			...	52°755	-9°896	-5			...	55°343	-56°472	-4			
...	49°800	-28°692	-4			...	52°790	-38°065	-4			...	55°467	+28°715	-5			
...	49°802	+30°164	-5	m		...	52°823	+2°011	-3			...	55°590	+46°494	-3			
2461	+49°831	-12°393	-3			2521	.	.	.	.	.	2581	+55°609	+36°034	-3		
...	49°835	-16°165	0°80			...	52°847	+6°141	-5	m		...	* 55°612	-48°661	1°20	47.7908	9.2	
...	50°057	-2°570	-5			...	52°911	+35°422	-5	e		...	55°743	+10°325	-5			
...	50°058	+53°346	-5			...	52°913	+19°694	1°60	46.8227	9.2	...	55°781	-21°773	-4			
...	50°106	+59°102	1°10			...	52°924	-5°887	0°65			...	55°794	+10°016	-5	m		
...	+50°119	+26°158	-3			...	+52°925	+33°471	0°75			...	+55°963	+48°790	-4			
...	50°229	-53°396	-5	m		...	52°932	+55°458	-5	m		...	56°017	-23°724	-4			
...	50°237	+17°476	0°85			...	53°003	+0°772	-5			...	56°163	+18°860	-4			
...	50°307	-1°862	-4			...	53°006	+45°740	-5	m		...	56°235	+25°356	-5	m		
...	50°314	+58°689	-3			...	53°236	-18°154	0°70			...	56°271	+39°258	-4			
2471	+50°340	+33°833	-4		*	2531	+53°284	+29°388	1°00			2591	+56°284	+44°033	-5			
...	50°407	-8°880	-3			...	53°310	+1°698	-5			...	56°347	+56°689	-4			
...	* 50°443	-7°905	1°50	47.7901	9.2	...	53°462	+0°155	-4			...	56°382	-30°608	-5	m		
...	* 50°468	+51°398	1°20	46.8226	9.6	...	53°547	-1°905	-3			...	56°394	+17°113	-5	m		
...	50°519	+11°972	-5			...	53°612	+2°799	0°95	46.8228	9.3	...	56°428	+20°520	-5	e		
...	+50°555	+28°724	-5	m		...	+53°613	+0°201	0°65			...	+56°463	+0°482	-1			
...	50°557	-16°209	0°70			...	53°642	+2°715	0°90	46.8228	9.3	...	56°476	-27°687	0°75			
...	50°687	-17°869	-5			...	53°671	-22°195	1°25	47.7904	9.2	...	56°540	+37°553	-4			
...	50°722	+26°101	-2			...	53°750	-47°520	-4			...	56°584	-41°372	-3			
...	50°892	+27°608	-5	m		...	S*	53°786	-4°373	2°00	47.7903	8.6	...	56°598	-27°672	-3		
2481	+50°925	-50°896	0°90			2541	+53°795	+3°266	-1			2601	+56°620	+5°667	-5			
...	50°973	-53°977	-2			...	53°805	+18°081	-5			...	56°652	+19°291	-4			
...	51°018	-49°812	-5	m		...	53°878	+25°019	-4			...	56°812	+11°927	-2			
...	51°038	-17°435	0°65			...	54°067	+32°483	-5			...	56°825	-13°691	-1			
...	51°063	-46°265	-5	m		...	54°081	+7°781	-5	m		...	57°046	-12°183	-3			
...	+51°069	+33°678	-4			...	+54°169	+21°826	-5	m		...	+57°067	+9°847	-3			
...	51°148	-8°160	-5			...	54°212	+19°655	-2			...	57°114	+55°398	1°90	46.8231	8.9	
...	51°170	+1°022	-3			...	54°274	+36°412	-5			...	57°127	+3°370	-5	m		
...	51°252	-34°057	-5			...	54°278	-46°050	-5	m		...	57°405	-2°878	1°10	46.8232	9.2	
...	51°285	+48°444	-5	m		...	* 54°304	-46°179	1°00	47.7905	9.6	...	57°414	-46°664	0°85			

2442, 2446. C.P.D., mass.
2535, 2537. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
2611-2620																	
2611	+57°426	-44°301	-5	o	...	2621	+58°276	-5°857	-3	o	...	2631	+58°580	+10°404	1°20	46.8233	9°2
...	57°629	+23°702	-5	...	...	...	58°298	+33°559	-4	...	...	...	58°835	-41°338	-2	...	...
...	57°630	-11°232	-2	...	...	...	58°319	+24°098	-5	...	...	...	58°982	-50°935	-5	...	...
...	57°668	-9°156	-5	...	...	...	58°355	+15°025	-3	...	...	...	59°064	+26°645	-5	m	...
...	57°892	+36°733	-5	m	...	...	58°402	+28°914	-4	...	...	...	59°139	+22°474	1°00	46.8234	9°6
...	+58°171	-45°41	-3	...	...	...	+58°427	-2°158	0°90	...	...	...	+59°360	+3°560	-5	m	...
*	58°179	-4°167	1°40	47.7909	9°0	...	58°492	+18°681	-3	...	...	...	59°361	-23°423	-2	...	...
...	58°184	+28°621	-2	...	...	...	58°497	+46°215	-3	...	...	...	59°364	-41°624	-4	...	...
...	58°198	-9°531	-3	...	...	...	58°549	-5°926	0°95	47.7910	9°6	...	59°399	-37°520	-2	...	...
...	58°264	-8°578	-5	...	...	...	58°579	+17°112	-5	...	...	...	59°471	+27°140	-5	...	...

1-40						41-80						81-120					
I	-60°023	+15°233	0°90	o	...	41	-57°433	+6°470	-4	o	...	81	-55°326	+31°526	-5	...	...
†	60°022	+11°526	1°00	46.8217	9°6	...	57°355	+24°221	-5	...	...	...	55°300	-17°840	-3	...	...
†	59°989	-14°536	-5	...	...	...	57°123	-15°089	0°95	...	...	...	55°267	+46°026	-2	...	...
†	59°951	+10°807	1°00	46.8216	9°6	...	57°096	+52°518	-5	...	...	...	55°253	-17°988	0°65	...	...
...	59°784	-46°516	-5	...	...	...	57°055	+10°254	-4	...	...	...	55°219	+30°142	-4	...	...
*	59°679	+5°633	3°00	46.8218	8°4	...	56°946	+32°868	1°00	...	...	...	55°197	+29°302	-5	...	...
*	59°575	-22°552	1°30	47.7892	9°3	...	56°867	-22°770	0°90	...	...	...	55°194	+36°895	-5	...	...
...	59°568	+1°774	0°70	...	...	...	56°853	+23°576	-4	...	...	...	55°113	+11°861	-2	...	...
*	59°394	+29°101	1°25	46.8222	9°5	...	56°755	+21°921	-5	E	...	...	55°109	+2°472	-5	...	...
†	59°273	+5°055	1°35	46.8220	9°6	...	56°733	+31°717	-5	...	...	...	55°069	+1°286	-5	...	...
II	-59°272	+37°146	-1	...	...	51	-56°727	-6°430	-1	...	...	91	-54°967	-12°755	-3	...	...
...	59°262	+5°549	-5	E	...	...	56°679	+16°666	-5	...	...	...	54°930	+20°743	-4	...	...
*	59°225	+5°299	2°00	46.8221	9°0	...	56°649	+7°506	-5	E	...	...	54°899	+6°255	-4	...	...
...	59°118	+3°763	-4	...	...	...	56°632	-21°840	-5	...	...	...	54°814	+36°029	-5	...	...
...	59°020	+4°867	-4	...	...	*	56°628	-18°324	1°05	47.7895	9°6	...	54°807	+13°345	-5	...	...
...	-59°018	+17°957	-4	...	...	...	56°594	-15°638	-5	...	...	...	54°720	+21°950	-5	E	...
*	58°960	+17°356	1°00	...	...	...	56°581	-26°927	-5	...	...	...	54°715	+21°653	-5	M	...
...	58°933	+0°555	0°95	...	...	...	56°536	+48°601	-4	...	...	...	54°593	-22°242	0°80	...	...
...	58°900	+56°950	-5	...	...	...	56°274	-25°608	-5	...	...	...	54°512	-32°692	0°90	...	...
*	58°768	+44°292	1°05	46.8224	9°6	...	56°249	+33°370	-5	...	...	...	54°472	-20°027	0°80	...	...
21	-58°743	+5°084	3°80	46.8223	7°7	61	-56°161	+33°867	-4	...	...	101	-54°446	+33°110	-3	...	...
...	58°648	-6°828	-1	...	...	...	56°109	-31°361	-3	...	...	...	54°442	+23°270	-4	...	...
...	58°610	-41°614	-5	...	...	...	56°036	-31°472	-3	...	...	...	54°431	-1°231	1°20	...	...
...	58°421	-10°908	-4	...	...	...	56°022	+2°888	-2	...	...	...	54°414	-8°751	1°60	47.7900	9°2
...	58°381	-11°285	-5	...	...	...	55°991	+10°421	0°80	...	...	...	54°397	+29°868	-4	...	...
...	-58°313	+5°882	-4	...	...	...	55°987	-21°610	-4	...	...	...	54°341	-1°917	1°00	...	...
...	58°305	+52°707	-5	...	...	...	55°891	+35°488	0°95	...	...	...	54°263	+20°917	1°10	...	...
...	58°301	+20°682	-5	...	...	*	55°827	-25°960	1°00	47.7897	9°6	...	54°215	+15°838	-4	...	...
...	58°125	-49°014	-1	...	...	*	55°763	-36°056	2°00	47.7896	8°9	...	54°129	+59°040	1°20	...	...
...	58°016	-50°741	-5	...	...	...	55°733	-6°986	0°95	...	...	...	54°081	-20°303	-5	...	...
31	-57°979	+21°854	-4	...	...	71	-55°717	-4°070	-2	...	...	111	-54°056	+30°285	-4	...	...
...	57°830	-13°006	-3	...	...	...	55°659	+4°083	-5	E	...	...	53°903	+58°640	-5	...	...
...	57°818	-29°385	0°75	...	...	*	55°562	+38°889	1°00	...	...	n	53°878	+10°752	0°95	46.8225	9°6
*	57°814	+15°741	1°00	...	...	...	55°556	-33°849	-4	...	...	...	53°836	+22°521	-1	...	...
*	57°628	-15°632	1°25	47.7893	9°6	...	55°553	+38°499	-5	...	...	...	53°750	+6°988	-3	...	...
...	-57°609	+7°176	-5	...	...	...	55°552	-25°930	-5	...	...	n*	-53°745	+10°895	1°05	46.8225	9°6
...	57°595	-48°831	-1	...	...	*	55°542	-36°746	2°00	47.7898	9°0	...	53°686	-40°761	-4	...	...
...	57°565	-1°379	-3	...	...	...	55°425	-44°979	-5	...	...	...	53°593	+3°085	-3	...	...
...	57°559	+17°533	-5	E	...	...	55°366	+17°051	0°90	...	...	*	53°504	+51°350	1°30	46.8226	9°6
*	57°473	-11°846	1°05	47.7894	9°6	*	55°340	-10°881	1°10	47.7899	9°6	†	53°418	+24°923	-4	...	...

L measured from 1, 166, 311, 397, 474, 537, 574, 683, 818.
 C " " 91, 241, 370, 440, 502, 554, 619, 746, 873.

113, 116. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
121-180																	
121	,	,	,	,	,	181	,	,	,	,	,	241	,	,	,	,	,
...	-53°39'9	-47°08'3	-2	o	...	...	-49°07'	+1°76'7	-5	o	...	...	-44°97'	-27°49'7	0°85	o	...
*	53°39'4	+22°31'5	1°20	...	...	...	49°02'8	+36°24'9	1°00	...	...	...	44°91'4	-11°99'6	-5	...	...
...	53°34'1	+4°28'5	-1	...	...	...	48°88'3	+0°22'9	-5	...	...	...	44°87'1	+20°13'4	-4	...	...
...	53°30'7	-8°12'6	0°65	...	...	n*	48°81'4	+2°88'7	1°00	46.8228	9°3	...	44°85'4	-27°48'0	-1	...	...
...	53°30'1	+18°60'8	-5	...	...	n*	48°78'8	+34°12'3	2°00	46.8229	8°8	*	44°84'2	-2°68'1	1°50	46.8232	9°2
...	-53°19'5	-12°43'5	-2	...	...	...	48°78'6	+2°80'8	1°00	46.8228	9°3	...	-44°79'6	+24°30'6	-5	...	...
...	53°17'5	-2°37'5	-5	...	...	...	48°75'7	+19°74'3	0°70	...	...	...	44°78'4	+50°57'8	-5	...	...
...	53°10'3	+33°79'1	-5	...	...	...	48°73'4	-1°83'0	-4	...	...	...	44°47'6	+15°25'4	0°65	...	...
...	53°06'6	+26°11'5	-1	...	...	...	48°72'9	+0°28'8	1°00	...	...	...	44°46'1	+18°90'1	-3	...	...
*	52°95'6	-51°09'1	1°30	...	...	...	48°69'9	+24°23'0	-5	...	...	...	44°44'5	-41°17'6	-2	...	...
131	,	,	,	,	,	191	,	,	,	,	,	251	,	,	,	,	,
...	-52°88'5	-25°32'5	-5	...	...	...	-48°65'3	+3°35'1	0°90	...	...	...	-44°37'9	-8°93'4	-5	...	...
*	52°65'4	+17°43'3	1°05	...	...	...	48°60'8	+48°88'0	-5	...	...	...	44°35'4	-11°02'3	-2	...	...
...	52°58'4	-58°42'8	-5	...	...	...	48°57'7	-53°58'4	-5	...	...	...	44°32'9	+17°33'2	-5	...	...
...	52°44'9	+26°07'6	-1	...	...	...	48°52'3	-18°07'5	0°90	...	...	*	44°10'0	+10°64'1	1°40	46.8233	9°2
...	52°34'8	+33°66'0	-3	...	...	...	48°44'3	+14°04'2	-5	...	...	*	44°02'7	-3°92'4	1°60	47.7909	9°0
...	-52°20'3	+11°94'9	-5	...	...	...	-48°43'2	+41°99'1	-5	...	...	*	-43°93'4	+22°71'4	1°25	46.8234	9°6
...	52°11'1	-12°42'7	-3	...	...	S*	48°40'4	-4°27'9	2°60	47.7903	8°6	...	43°91'7	+41°27'0	-3	...	...
...	52°00'0	+31°57'4	B	...	...	...	48°32'6	-37°99'2	-4	...	...	...	43°89'0	-5°63'0	0°65	...	...
...	51°98'1	-16°20'4	1°05	...	...	...	48°23'3	+46°60'5	-5	...	...	...	43°84'5	-1°92'2	1°00	...	...
...	51°96'4	-1°88'4	-4	...	...	...	48°18'4	+17°02'4	0°80	...	...	...	43°83'9	-9°29'9	-1	...	...
141	,	,	,	,	,	201	,	,	,	,	,	261	,	,	,	,	,
...	-51°94'2	-5°41'8	-4	...	...	...	-48°15'0	+19°14'1	-3	...	...	...	-43°81'0	-8°33'8	-5	...	...
...	51°63'7	-8°90'3	-1	...	...	*	47°95'4	-22°10'1	1°35	47.7904	9°2	...	43°74'2	+27°39'3	-5	...	...
*	51°63'2	-7°91'3	1°80	47.7901	9°2	...	47°93'3	+11°21'1	-3	...	...	...	43°71'0	+5°58'8	-5	...	...
...	51°60'7	-28°72'0	-4	...	...	...	47°93'0	+48°91'6	-5	...	...	*	43°60'8	-5°68'8	1°25	47.7910	9°6
...	51°58'6	+32°51'4	-4	...	...	...	47°88'3	+36°14'8	-4	...	...	...	43°51'9	+38°76'7	-3	...	...
...	-51°56'5	+31°10'5	-5	...	...	...	-47°80'1	+56°81'8	-5	...	...	...	-43°44'5	-46°43'6	0°95	...	...
...	51°26'1	+26°82'4	0°80	...	...	*	47°79'1	+9°10'8	2°00	46.8230	9°0	*	43°25'1	+23°49'5	1°30	46.8235	9°6
...	51°25'4	-16°22'3	0°90	...	...	...	47°78'0	+18°20'2	-4	...	...	...	43°08'1	+47°60'8	-2	...	...
...	51°19'5	+1°02'9	-1	...	...	...	47°74'5	-5°45'2	-4	...	...	...	42°94'9	+38°47'7	-5	...	...
...	51°07'4	-17°88'1	-4	...	...	...	47°73'9	+19°52'5	0°90	...	...	...	42°94'1	+54°75'9	-4	...	...
151	,	,	,	,	,	211	,	,	,	,	,	271	,	,	,	,	,
*	-51°04'7	+14°85'5	1°00	...	...	...	-47°69'5	+13°33'4	0°90	...	...	...	-42°83'6	+37°48'4	-5	A	...
...	50°91'7	-8°14'7	-4	...	...	...	47°68'4	-16°07'7	-5	...	...	†	42°74'6	-44°80'1	-4	...	...
...	50°89'0	+18°44'9	-5	...	...	...	47°47'6	+44°17'1	-5	...	...	...	42°56'6	+22°29'2	0°65	...	...
...	50°86'5	-5°26'9	0°70	...	...	...	47°40'2	-7°37'5	0°65	...	...	...	42°44'5	+43°20'9	-4	...	...
...	50°73'4	-17°43'2	0°90	...	...	...	47°39'1	+15°08'0	-5	...	...	...	42°43'7	+41°84'0	-3	...	...
...	-50°60'6	+33°83'2	-5	...	...	...	-47°31'1	+39°38'7	-4	...	...	...	-42°39'9	+12°77'9	1°00	...	...
...	50°56'9	+13°48'6	-4	...	...	...	47°07'1	-47°40'9	-5	...	...	...	42°25'9	+35°93'8	1°05	...	...
...	50°56'7	+35°45'7	-5	E	...	*	47°03'6	-3°64'4	2°60	47.7906	8°6	...	42°22'7	-23°15'1	-1	...	...
...	50°50'4	+8°71'2	-3	...	...	*	46°99'9	+55°53'8	2°50	46.8231	8°9	...	42°21'4	-2°25'8	-5	...	...
...	50°50'2	-1°55'5	-5	...	...	...	46°99'8	+37°70'3	-4	...	...	...	42°19'2	-41°07'4	-2	...	...
161	,	,	,	,	,	221	,	,	,	,	,	281	,	,	,	,	,
...	-50°50'0	+33°49'7	1°00	...	...	...	-46°93'1	-23°15'2	-4	...	...	...	-42°14'7	+59°58'4	0°80	...	...
...	50°41'5	-15°81'7	-4	...	...	...	46°90'1	-9°74'7	-3	...	...	*	41°94'4	+14°17'9	1°35	46.8236	9°4
*	50°30'8	+13°68'1	1°05	...	...	...	46°79'2	+19°00'5	-5	...	...	...	41°87'9	+23°06'7	-4	...	...
...	50°19'0	+9°74'0	-3	...	...	...	46°77'4	-17°91'6	-3	...	...	*	41°86'8	+44°03'4	1°20	...	...
†	50°05'3	+19°73'8	1°40	46.8227	9°2	...	46°69'6	-12°85'9	-3	...	...	*	41°74'4	-6°32'1	3°70	47.7911	7°8
*	-49°99'6	+29°43'1	1°00	...	...	...	-46°56'5	+20°67'2	-5	E	...	...	-41°73'9	+24°36'6	-2	...	...
...	49°91'3	-11°08'4	-1	...	...	*	46°55'0	-46°05'5	1°00	47.7905	9°6	...	41°73'6	-50°66'3	-5	...	...
S+	49°79'3	-24°90'8	2°90	47.7902	8°0	...	46°31'2	+19°45'7	-5	...	...	...	41°73'3	-37°23'0	-2	...	...
...	49°77'9	-50°87'7	-1	...	...	*	46°23'2	-27°25'7	1°00	47.7907	9°6	...	41°71'3	+12°58'5	-5	...	...
...	49°68'6	-18°43'2	-5	...	...	...	45°92'0	+12°09'1	-2	...	...	...	41°66'5	-41°33'3	-4	...	...
171	,	,	,	,	,	231	,	,	,	,	,	291	,	,	,	,	,
...	-49°64'3	-53°95'9	-4	...	...	...	-45°88'8	+0°64'6	0°70	...	...	...	-41°63'5	+11°10'1	-5	...	...
...	49°57'8	+2°07'0	-3	...	...	†	45°60'1	+10°04'0	-3	...	...	...	41°63'5	-23°28'9	-3	...	...
...	49°55'0	-26°99'2	-1	...	...	...	45°56'0	-23°54'8	-5	...	...	...	41°62'6	+5°64'9	-3	...	...
...	49°54'8	-7°13'5	-5	...	...	...	45°47'4	+23°89'2	-4	...	...	*	41°60'4	-10°96'7	1°00	...	...
...	49°30'1	+41°95'3	-5	...	...	...	45°32'0	+46°40'8	-4	...	...	...	41°58'7	+46°33'0	-4	...	...
...	-49°26'5	-9°83'2	-5	...	...	†	-45°18'6	-56°30'3	-5	...	...	...	-41°58'1	+35°88'5	1°00	...	...
...	49°26'4	-15°18'1	-5	...	...	†	45°16'9	-48°49'5	1°30	47.7908	9°2	...	41°41'8	+5°31'4	-4	...	...
...	49°26'2	+25°09'5	-4	...	...	†	45°12'7	+33°75'8	-5	...	...	...	41°38'9	+7°34'9	-3	...	...
...	49°22'1	-5°82'7	0°90	...	...	†	45°08'7	-13°50'2	-4	...	...	...	41°36'5	-11°12'5	0°75	...	...
...	49°09'6	+57°28'7	-4	...	...	†	45°08'2	+28°83'1	-4	...	...	...	41°31'2	+31°50'7	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
301-360																			
301	-41°250	+17°137	-2	o			361	-36°148	-8°875	0°80	o			421	-27°323	+55°738	-5	o	
...	41°185	+15°314	-4				...	36°060	-25°239	-1				...	27°233	-26°129	-5		
...	41°157	-14°053	0°70				*	35°849	-9°423	1°00	47.7915	9°5		...	26°849	+21°060	-3		
*	41°155	+7°356	1°20	46.8237	9°6		...	35°713	+25°586	0°80				*	26°634	+49°048	1°30	46.8253	9°6
...	41°123	+13°313	-5				...	35°701	+31°914	-5				...	26°517	-48°517	-5		
*	-41°081	+50°208	1°40	46.8238	9°0	*	...	35°671	+37°103	1°00				S*	-26°416	+2°724	3°70	46.8252	7°6
...	40°970	-15°394	0°75				...	35°307	+17°511	-3				...	26°185	+14°779	-4		
...	40°531	-29°584	-5				...	35°241	+53°092	1°00				...	26°007	+53°901	1°00		
...	40°193	+39°613	-4				...	35°190	+50°584	-1				...	26°001	+31°086	-4		
...	40°177	+39°364	-3				...	34°993	-16°797	-4				...	25°949	-10°138	-5		
311	-40°088	-40°577	-5				371	-34°904	-34°118	-2				431	-25°793	+21°387	-5		
...	39°959	+31°485	-5				*	34°773	-1°192	1°20	46.8245	9°6		*	25°765	+32°484	1°00		
...	39°914	-30°733	-5				S*	34°757	-32°560	3°10	47.7917	8°0		*	25°486	-38°400	1°05	47.7920	9°6
...	39°893	-1°906	-5				...	34°708	+27°415	-5				*	25°471	-37°171	1°15	47.7922	9°4
...	39°872	+11°623	-4				...	34°464	-17°877	1°00				...	25°448	+43°518	-5		
...	-39°593	+15°157	-5			*	...	34°350	-56°278	1°20	47.7916	9°6		...	25°409	+44°655	-4		
...	39°569	+47°081	-4				...	34°026	+32°072	-1				...	25°320	-25°232	-5		
*	39°520	+15°564	2°00	46.8239	9°0		...	33°975	+47°553	-5				...	25°295	-7°881	-5		
...	39°300	+7°692	-4				...	33°602	+28°508	-5				...	25°139	+31°415	-3		
...	39°088	+20°924	-4				...	33°566	-19°536	0°65				...	25°010	-7°537	1°20	47.7924	9°5
321	-38°956	-29°160	-4				381	-33°048	-34°271	-4				441	-24°877	-24°525	0°95		
...	38°948	+51°765	-5				...	32°929	-4°373	-1				*	24°843	-13°972	2°10	47.7923	8°8
...	38°940	+33°707	-1				...	32°793	+7°082	-2				...	24°800	+45°316	-3		
...	38°881	-29°791	-4				...	32°683	+14°640	-2				...	24°564	-47°222	-4		
*	38°815	+50°373	3°00	46.8240	8°2		...	32°586	+56°568	-4				*	24°425	-31°819	1°40	47.7925	9°0
...	-38°804	-18°248	-5			*	...	32°456	+36°673	1°15	46.8246	9°5		*	-24°395	+15°093	1°10	46.8254	9°6
...	38°802	+38°859	0°95				...	32°215	+9°626	-5				...	24°345	-49°320	-4		
...	38°773	+46°014	1°00				...	31°903	-20°261	-5				*	24°098	-12°393	1°30	47.7926	9°4
...	38°712	+7°556	1°00				...	31°840	+58°676	-3				...	24°042	+10°146	0°85		
...	38°622	+25°671	-5			*	...	31°709	-30°772	2°00	47.7918	8°4		...	23°720	+34°885	1°20	46.8255	9°5
331	* -38°607	-54°240	1°00	47.7913	9°5		391	-31°658	-0°430	-5				451	-23°454	+31°373	-3		
*	38°591	-3°512	1°00			*	...	31°630	+18°703	1°20	46.8247	9°6		...	23°341	+22°003	-5		
...	38°469	+5°174	-4				...	31°421	+10°538	1°00				...	23°293	+40°298	0°75		
...	38°458	+20°717	-5				...	30°275	+22°642	-3				...	23°232	+16°595	-4		
...	38°398	+5°621	-5				...	30°183	+32°784	-5				...	23°218	+45°882	-2		
...	-38°263	-14°289	-4				...	30°172	+8°759	-5				*	-23°070	+8°265	1°25	46.8256	9°6
...	38°109	-1°652	-4				...	29°877	+30°729	-5				*	23°026	+33°685	1°20	46.8257	9°6
...	38°037	-0°702	0°70			*	...	29°778	+44°487	1°00	46.8248	9°6		...	22°550	+52°532	-3		
...	37°886	+4°287	-5	M			...	29°675	-35°005	0°95				...	22°460	+30°373	-4		
...	37°828	+12°752	-5				...	29°583	-33°766	-5				*	22°359	-19°684	1°40	47.7927	9°0
341	-37°619	+8°734	-2				401	-29°512	-33°477	-5				461	-22°216	-12°786	-2		
...	37°582	-58°440	-5				...	29°472	+12°882	-2				*	22°159	+12°589	1°40	46.8258	9°2
...	37°567	-19°317	-1				...	29°315	-52°229	-5				...	22°152	-35°446	-3		
*	37°539	-30°301	2°00	47.7914	9°0		...	29°285	+27°344	-2				*	21°977	+3°355	1°20	46.8259	9°5
...	37°484	+22°005	-4				...	29°209	-34°668	-4				...	21°952	+3°462	-1		
...	-37°466	+42°961	-4				...	28°992	-14°826	-2				...	21°498	-48°961	-3		
...	37°447	-33°545	0°95			*	...	28°877	-1°410	2°00	46.8249	9°0		...	21°343	-22°813	-1		
...	37°407	+29°195	1°00				...	28°782	-14°126	-5				...	20°743	-51°281	0°85		
...	37°368	+9°538	-5				...	28°743	+9°129	1°00	46.8250	9°5		...	20°547	+46°956	-2		
...	37°229	+6°370	-5			*	...	28°495	+51°202	1°25	46.8251	9°3		...	20°496	-34°731	-4		
351						411		-28°479	+31°116	-5				471	-20°340	-46°717	1°00		
...	-37°207	+4°960	-3			...		28°381	-33°446	0°70				...	20°172	-17°315	-5		
*	37°140	+27°049	-5				...	28°380	-11°267	-5				...	20°135	+18°171	-4		
*	37°017	+18°261	1°10	46.8241	9°5		...	28°313	-31°698	-5				*	19°947	+1°084	1°50	46.8260	9°5
N	37°002	+47°948	-1				...	28°186	-57°813	1°00	47.7919	9°6		...	19°421	+18°746	-5		
*	36°684	+43°528	1°50	46.8243	9°3	*	...	-28°089	-25°871	-4				*	-19°375	-46°191	1°60	47.7928	9°0
S*	-36°347	+46°572	3°00	46.8244	8°0		...	28°061	-35°696	-5				...	19°347	+20°940	-4		
...	36°345	+25°090	-5				...	27°955	+54°216	1°00				...	19°245	-43°349	0°95		
*	36°263	+0°470	1°80	46.8242	8°6		...	27°412	+15°221	-5	M			...	19°034	+15°461	-1		
...	36°247	-12°187	0°80				...	27°370	-53°258	0°90				...	19°031	+51°481	-5	M	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.			
481-540																				
481	-18·736	-54·390	-4	o	...	...	541	-7·821	-54·745	-3	o	...	...	601	+ 5·322	+38·508	0·75	o	...
...	18·615	+41·145	-3	...	...	...	...	7·415	+ 2·001	-1	...	...	...	...	5·554	-7·796	1·00	...	...
*	18·611	-28·210	1·70	47.7929	9·2	...	...	7·341	+14·061	-2	...	...	...	...	6·464	+49·746	1·10	46.8275	9·5
...	18·360	-20·408	-1	...	...	...	...	7·014	-47·725	0·90	...	...	...	...	6·641	-4·262	4·00	47·7938	7·6
...	18·346	+25·764	-5	6·780	+44·579	1·00	S *	6·804	-24·761	2·20	47·7937	8·4
...	-18·221	+22·307	-4	6·751	+20·443	0·70	S *	+ 6·897	+36·307	1·65	46.8276	8·9
...	18·200	+ 8·674	-4	...	...	...	...	6·611	+55·455	-4	...	...	...	...	6·909	-31·507	-5	...	...
*	17·884	+32·082	1·40	46.8261	9·0	*	...	6·578	-26·012	1·00	47.7931	9·6	...	...	7·011	-49·083	-1	...	...
...	17·614	+44·016	-3	...	...	...	...	6·443	-45·037	-3	...	...	...	...	7·038	+38·924	-1	...	...
...	17·573	+57·350	-1	...	...	...	...	5·850	-38·208	-5	m	...	...	...	7·133	-34·265	-5	...	...
491	-17·328	-29·727	0·80	...	...	†	551	-5·708	+49·812	-4	...	...	...	...	+ 7·137	-7·309	1·00	...	...
...	17·139	+15·856	-5	...	...	...	...	5·426	+ 2·803	-5	...	...	...	...	7·936	+53·484	-3	...	...
...	16·999	-58·756	-5	...	...	†	...	5·225	+32·429	-5	...	...	...	...	8·647	-33·929	-3	...	...
...	16·786	+ 2·346	-5	...	...	*	...	4·778	-41·608	1·40	47.7932	9·5	*	...	8·670	-11·670	2·00	47·7939	9·0
...	16·084	+ 5·206	-5	...	...	...	...	4·087	+50·614	-5	...	...	...	...	9·103	-41·048	-2	...	...
...	-15·985	+ 4·487	-5	...	...	...	...	3·961	+44·497	0·75	...	...	...	...	+ 9·493	-29·031	1·50	47·7940	9·0
...	15·539	+25·892	-2	...	...	...	...	3·808	-14·786	-5	...	...	...	...	9·608	+16·967	-5	...	...
...	15·503	+29·626	-4	...	...	...	...	3·650	+16·610	-5	...	...	...	...	9·627	-50·118	1·30	47·7941	9·2
...	15·326	+48·413	-4	...	...	...	...	3·469	-24·840	-5	...	...	...	...	10·134	+28·389	-5	...	...
...	15·312	-48·451	-4	...	...	...	...	2·775	+19·303	-4	...	...	...	...	10·252	-9·857	-2	...	...
501	-15·161	+27·685	-4	...	...	...	561	-2·673	+49·503	-3	...	...	...	...	+ 10·255	+21·920	-4	...	...
†	15·121	+32·246	-4	...	...	...	...	2·379	+39·410	0·65	...	...	...	...	10·291	+38·371	-1	...	...
†	14·852	+12·125	1·15	46.8262	9·6	...	...	2·262	-57·902	-5	...	...	...	...	10·421	-54·211	-4	...	...
*	14·725	+ 3·220	1·25	46.8263	9·6	...	...	2·002	+56·163	-3	...	...	...	...	10·555	+43·403	-5	...	...
*	14·485	-8·159	1·35	47.7930	9·6	...	...	1·902	+27·173	-5	...	...	...	...	10·744	-25·552	-5	a	...
...	-14·479	+59·483	-5	...	...	...	...	1·816	+42·746	0·95	...	...	...	...	+ 11·197	-4·638	-3	...	...
...	14·356	+11·448	-3	...	...	...	...	1·712	+ 9·118	-5	M	...	...	...	11·526	-9·340	-4	...	...
...	14·162	-7·710	-5	...	...	...	...	1·440	+54·693	0·80	...	...	...	...	11·530	-33·759	-4	...	...
†	13·880	+19·997	1·15	46.8264	9·6	...	...	1·400	-36·124	-3	...	...	...	...	11·817	-8·309	0·90	...	...
...	13·600	-15·374	-5	...	...	...	...	1·205	+57·459	-4	...	...	...	...	11·826	+58·025	-1	...	...
511	-13·486	+14·980	-3	...	...	...	571	-1·131	+58·496	-4	...	...	...	...	+ 11·883	+48·245	0·70	...	...
*	12·887	+13·965	2·60	46.8265	8·4	...	...	0·995	-45·627	-4	...	...	...	...	12·042	-21·765	2·00	47·7942	8·9
*	12·805	+22·026	1·40	46.8266	8·8	†	...	0·290	-58·579	-3	...	...	...	...	12·158	+50·234	1·80	46.8277	9·0
*	12·698	+22·010	1·40	46.8267	8·8	†	...	0·118	+25·229	-4	...	...	...	...	12·677	+30·825	-1	...	...
...	12·775	-23·166	-5	...	...	*	...	0·091	-55·969	1·00	47.7935	9·5	*	...	12·785	+17·720	1·90	46.8278	9·0
...	-12·722	-41·280	1·00	...	...	...	...	0·008	-59·507	-2	...	...	...	...	+ 13·082	-48·431	-4	...	...
...	12·697	-3·470	-4	...	...	...	...	+ 0·414	-7·887	-3	...	...	...	...	13·189	-14·777	1·60	47·7943	9·0
...	12·207	+33·590	0·80	...	...	*	...	0·641	+43·015	1·00	46.8270	9·5	...	...	13·204	+54·161	1·15	...	...
...	12·054	-19·767	-3	...	...	...	...	0·687	-35·778	-1	...	...	...	...	13·252	-6·484	-5	...	...
*	12·049	+15·133	1·70	46.8267	8·9	...	...	0·792	-46·459	-5	m	...	...	...	13·349	-35·367	1·20	47·7944	9·6
521	-12·016	-47·884	0·90	...	...	...	581	+ 0·936	+55·304	-5	...	...	...	...	+ 13·701	+30·807	0·75	...	...
*	11·806	+21·713	1·15	...	...	...	...	0·975	+11·660	-3	...	...	...	...	13·813	-43·539	-2	...	...
...	11·753	+10·223	1·05	...	...	*	...	1·226	+37·776	1·00	46.8272	9·5	*	...	14·067	+26·252	1·10	46.8279	9·6
...	11·682	+ 6·494	-4	...	...	*	...	1·283	+13·245	1·15	46.8271	9·3	...	...	14·160	+45·660	-5	...	...
...	11·647	-24·028	-5	...	...	...	...	1·377	-52·085	-4	...	...	...	...	14·649	-26·709	1·05	47·7945	9·6
...	-11·471	+36·101	-4	...	...	*	...	+ 1·487	+14·349	1·10	46.8273	9·4	...	...	+ 14·906	-9·039	1·00	47·7946	9·6
...	11·152	+19·717	-4	...	...	*	...	1·660	-53·632	1·00	...	...	...	...	15·147	-59·657	1·40	47·7947	9·3
...	11·100	+23·547	0·85	...	...	...	...	1·949	+56·906	-5	...	...	...	...	15·472	-34·784	-1	...	...
...	11·023	+10·466	-3	...	...	...	...	2·168	-19·398	-5	...	...	...	...	15·560	-40·953	-5	...	...
†	11·013	+20·030	1·30	46.8268	9·2	...	...	2·178	+22·389	-4	...	...	...	...	15·646	+32·932	-3	...	...
531	-10·998	+30·264	0·75	...	...	...	591	+ 2·421	-7·078	1·00	47.7936	9·6	*	...	+ 15·856	+15·385	3·00	46.8280	8·0
*	10·957	+ 9·027	1·80	46.8269	9·0	...	...	2·596	+12·613	-4	...	...	...	...	15·954	-59·011	-1	...	...
...	10·581	+43·761	-5	...	...	...	...	2·816	+54·230	-3	...	...	...	...	16·150	+14·956	3·60	46.8281	7·8
*	10·533	+59·259	1·80	45.8168	8·8	...	...	2·887	+55·073	1·00	46.8274	9·6	...	...	16·175	-42·914	-5	...	...
...	10·448	-11·497	1·05	...	...	...	...	2·996	+ 0·879	-4	M	...	...	...	16·305	+47·941	-2	...	...
...	-10·315	+ 2·399	-3	...	...	...	...	+ 3·415	-37·866	-5	...	...	...	...	+ 16·409	+49·743	-5	...	...
...	9·648	-41·673	-4	m	...	...	...	3·426	-57·467	-5	...	...	...	...	16·483	-7·969	-4	...	...
...	9·060	+18·897	-5	...	...	...	...	3·674	+47·624	0·90	...	...	...	...	17·007	-25·037	0·70	...	...
...	8·391	+55·193	-1	...	...	...	...	4·374	-38·567	-3	...	...	...	...	17·283	-13·727	-5	...	...
...	7·966	+ 0·633	1·00	m	...	...	...	4·688	+48·463	0·90	...	...	...	...	* 17·312	+55·635	1·25	46.8282	9·6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
661-720																	
661	+17·553	+18·532	0·75	o		721	+26·853	+18·941	-4	o		781	+34·129	-59·291	2·00	47·7958	9·0
...	17·703	-44·583	-4	...		...	26·916	+6·496	0·65	...		*	34·253	+46·612	1·40	46·8296	9·2
...	17·789	+15·894	-1	...		...	27·267	-33·929	-2	...		...	34·297	+59·483	1·05	...	...
...	18·022	+15·408	1·00	...		...	27·335	-7·785	-5	...		†	34·400	+29·924	-5	...	...
...	18·028	-38·488	-4	...		...	27·416	+18·025	-5	...		...	34·474	+6·421	-4	...	...
*	+18·148	+24·206	1·15	46·8283	9·6	*	+27·528	+24·748	1·30	46·8289	9·0	...	+34·911	-5·316	-1	...	...
*	18·235	+40·676	1·60	46·8284	9·0	...	27·731	+27·472	-5	...		...	35·013	-47·951	-5	b	...
†	18·270	-15·003	0·70	...		...	27·745	-49·114	-4	...		...	35·164	-57·047	-5	b	...
...	18·295	-41·355	-3	...		*	27·794	-21·184	1·00	47·7954	9·6	*	35·270	+45·779	1·15	46·8297	9·6
...	18·480	-40·858	1·00	...		...	27·811	-35·347	0·80	...		...	35·574	+33·801	0·95	...	...
671	+18·507	-33·314	1·25	47·7948	9·5	731	+27·886	-42·066	0·70	...		791	+35·739	+50·485	-5	...	...
*	18·545	+34·347	1·20	46·8285	9·6	...	28·015	+42·792	-5	...		...	35·826	+54·655	-1	...	...
...	18·646	+30·980	0·90	...		...	28·039	+0·611	-3	...		...	36·013	-32·534	1·00	...	...
...	18·668	+30·918	-2	...		*	28·168	+22·808	1·50	46·8290	8·9	...	36·043	+19·370	1·00	...	...
...	18·748	+58·905	-5	...		...	28·194	-16·354	0·95	...		...	36·203	+22·479	1·00	...	...
...	+18·806	+57·409	-4	...		*	+28·284	-43·344	2·00	47·7955	8·8	...	+36·588	+27·843	-2	...	...
...	19·154	+20·980	-3	...		...	28·309	+27·015	-4	...		...	36·922	-30·266	-3	...	...
...	19·213	-36·106	...	...		†	28·408	+39·839	-5	...		...	36·972	-45·400	0·90	...	...
...	19·264	+59·180	-4	...		...	28·693	+33·229	0·65	...		...	37·108	-33·030	-5	a	...
...	19·382	+45·939	-5	...		...	28·705	+20·742	0·75	...		...	37·203	-2·417	0·70	...	...
681	+19·595	+54·792	-5	...		741	+28·918	-46·836	-4	...		801	+37·243	+9·093	-5	...	...
†	19·701	-37·615	-3	...		...	29·011	+30·533	-2	...		*	37·846	-35·856	1·20	47·7959	9·3
...	20·265	-49·476	-5	a	...	...	29·104	+0·248	0·90	...		...	37·958	-26·436	0·65	...	...
...	20·832	+29·345	0·85	...		...	29·145	-57·606	-5	a	...	...	38·110	-7·300	0·80	...	...
...	20·903	+46·762	-4	...		...	29·402	+43·007	-1	...		...	38·164	+1·438	-5	...	...
...	+21·009	-35·699	-5	...		*	+29·956	-3·568	0·90	...		...	+38·197	-48·697	-5	b	...
...	21·050	-19·297	-5	...	*	...	30·142	+25·795	2·40	46·8291	8·2	*	38·255	-33·932	3·50	47·7960	7·7
...	21·424	-28·349	-5	...	...	...	30·161	-33·583	-1	...		...	38·272	+54·686	-4	...	...
...	21·434	+35·548	-3	...	...	...	30·336	+54·940	0·90	...		...	38·505	+5·184	1·00	...	...
...	21·521	+47·453	-5	...	...	...	30·363	-53·656	1·00	...		...	38·506	+5·891	-4	...	...
691	+21·524	+34·635	0·95	...		751	+30·606	+44·441	0·80	...		811	+38·742	+27·748	-5	...	...
*	22·040	+50·560	1·00	46·8286	9·6	...	30·607	+17·020	-5	...		*	38·831	-7·574	1·40	47·7961	9·0
...	22·536	-33·655	-5	...		*	31·049	+48·485	1·20	...		...	38·956	-34·160	-4	...	...
...	22·723	-0·311	-5	...		...	31·070	-14·635	-5	a	...	...	39·051	+36·503	-5	...	...
...	22·820	-32·966	0·90	...		...	31·129	+19·326	0·90	46·8292	9·6	*	39·327	-2·217	1·40	46·8298	9·2
*	+23·298	-33·270	1·00	47·7949	9·6	*	+31·179	+36·898	1·00	...		...	+39·600	-28·792	-5	...	...
...	23·624	-23·072	-5	...		...	31·508	+48·183	0·65	...		...	39·617	+18·517	4·00	46·8299	7·4
*	23·685	+37·359	2·00	46·8287	8·9	...	31·625	+16·823	-5	...		...	40·060	+27·814	-4	...	...
...	23·728	+38·372	-2	...	...	...	31·700	-27·491	-4	...		...	40·358	+34·828	1·20	46·8300	9·5
...	23·733	-11·372	-1	...	...	...	31·892	-42·114	-4	...		...	40·392	-21·046	-5	...	...
701	+23·851	-8·584	-5	...		761	+31·974	-53·512	-5	...		821	+40·407	+16·861	-5	...	...
...	23·923	-30·594	0·90	...		...	32·103	+34·802	0·75	...		...	40·666	-30·552	0·70	...	...
...	23·955	+17·096	-5	...		*	32·145	-17·821	1·80	47·7956	9·0	...	40·978	-7·064	-5	...	...
...	24·040	-17·732	-5	...		*	32·181	-11·523	1·20	...		...	41·070	+25·427	-3	...	...
*	24·443	-56·407	1·60	47·7950	9·0	...	32·630	+36·363	-4	...		...	41·102	+49·349	-5	...	...
...	+24·513	-52·052	-5	...		*	+32·656	+31·955	1·15	46·8293	9·6	...	+41·172	+52·721	-5	...	...
...	24·941	+33·396	0·70	...		...	32·706	+58·056	-4	...		*	41·286	-43·984	1·20	47·7962	9·2
...	25·035	-18·877	-5	...		...	32·766	+38·662	-3	...		...	41·307	-26·342	0·70	...	...
...	25·162	+38·837	1·00	...		...	32·795	+4·366	0·70	...		*	41·666	-31·177	1·00	47·7964	9·5
S*	25·176	-12·875	2·80	47·7951	8·4	...	32·832	-1·347	1·05	...		*	41·752	-40·377	1·25	47·7965	9·2
711	+25·465	-18·288	-5	a	...	771	+33·018	-30·872	0·75	...		831	+41·896	-7·069	1·00	47·7963	9·6
...	25·554	-40·917	0·95	...		...	33·042	-47·566	-1	...		...	42·067	-24·427	-4	...	...
α†	25·601	-0·060	1·40	46·8288	9·0	...	33·053	-47·471	1·00	47·7957	9·6	...	42·156	-55·411	1·00	...	...
...	25·620	+18·328	-3	...		*	33·075	+10·370	1·20	46·8294	9·6	...	42·192	+11·071	1·00	...	...
...	25·788	+19·188	-2	...		*	33·307	-46·686	1·20	...		N	42·207	+56·127	-1	...	...
*	+25·968	-2·902	2·00	47·7952	8·9	...	+33·371	-39·593	-2	...		*	+42·264	+28·678	1·20	46·8301	9·2
*	26·454	-44·690	2·60	47·7953	8·2	...	33·473	+30·468	-5	...		...	42·277	+58·109	-4	...	...
...	26·519	+3·185	-1	...		*	33·574	+9·364	1·30	46·8295	9·6	...	42·607	+3·382	-5	...	...
...	26·565	-49·390	-4	...		...	33·575	+1·178	0·75	...		†	42·815	+24·851	--5	...	...
...	26·754	+45·762	-2	...		...	33·973	-35·069	-2	...		...	43·025	-29·601	0·90	...	...

835. Mass. 46°·102, two stars.

- 47°

No. 101

CAPE ASTROGRAPHIC ZONE.

1904·57

16^h 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
841-880																	
841	+43°31'	-16°41'	-5	o	...	881	+50°833	+15°877	-3	o	...	921	+58°146	+26°412	1°30	46°8314	9°4
...	43°319	-12°718	-2	...	...	...	51°209	-27°244	-3	...	...	...	58°235	-55°842	-3	...	...
...	43°441	+28°362	-5	...	...	...	51°217	+39°565	0°75	...	...	...	58°333	+27°800	0°95	...	...
...	43°741	+41°208	-1	...	...	...	51°374	+0°598	0°70	...	...	...	* 58°337	-5°585	1°40	47°7972	9°2
...	43°757	+42°989	-5	...	...	...	51°450	+3°038	1°10	46.8309	9°6	...	58°551	-48°710	1°00	...	...
...	+43°911	-36°363	-5	e	...	...	+51°862	-22°345	-4	...	...	...	+58°656	-31°945	1°40	47°7973	9°2
...	43°980	+16°965	-5	...	...	...	52°180	+27°056	-2	...	...	...	58°813	+33°452	1°00	...	...
...	44°104	+12°685	-5	...	...	...	52°200	+17°101	-4	...	...	...	58°988	-17°565	0°65	...	...
...	44°302	-8°912	-2	...	...	...	52°202	+0°807	0°65	...	...	...	58°988	-43°926	-3	...	...
*	44°311	+8°192	3°00	46.8303	8°4	...	52°210	+5°629	-5	...	...	...	59°075	-0°496	-5	e	...
851	+44°524	+52°491	3°00	46.8302	8°0	891	+52°566	-25°444	-5	e	...	931	+59°147	-34°116	-5	...	...
S *	45°015	-11°178	-5	...	...	...	* 52°698	-7°266	1°30	47.7971	9°3	...	59°199	-22°040	0°85	...	...
...	45°417	+30°025	0°80	...	...	...	52°707	+4°992	-2	...	...	...	59°255	+10°764	-5	...	...
...	45°928	+28°099	0°90	...	...	...	52°970	+15°425	-4	...	...	...	841-880				
...	45°939	-20°123	-2	...	...	...	53°096	+26°071	-5	...	...	...	881-920				
...	+46°036	+5°323	-5	...	...	...	+53°126	+0°056	1°10	46.8310	9°6	...	921-933				
...	46°044	-36°814	-4	...	...	...	53°879	-50°834	-4	...	...	...	931				
*	46°356	-13°312	1°00	...	...	...	53°949	-53°986	-5	e	...	...	901				
...	46°725	-26°697	-5	e	...	...	54°000	-59°819	-3	...	...	...	901				
*	46°925	+34°734	1°00	46.8304	9°6	...	54°189	+27°160	1°25	46.8311	9°5	...	901				
861	+47°007	-7°219	-5	...	...	...	+54°270	+59°575	-5	...	...	...	911				
...	47°069	-32°934	-5	e	...	...	54°792	-13°843	-5	e	...	...	911				
...	47°075	-14°630	-5	...	...	...	* 54°983	+13°573	1°00	...	...	...	911				
...	47°088	-21°406	-2	...	...	...	55°338	+2°669	-5	...	...	...	911				
*	47°244	-41°773	1°00	47.7968	9°5	...	55°394	-39°439	-5	e	...	...	911				
...	+48°043	+46°304	-5	...	...	...	+55°428	+32°993	1°00	...	...	...	911				
...	48°308	-30°612	-5	e	...	...	55°665	-50°867	1°00	...	...	...	911				
...	48°462	-2°878	-3	...	...	...	55°834	-52°956	-1	...	...	...	911				
...	48°734	+34°650	-4	...	...	...	55°940	+46°183	-4	...	...	...	911				
...	48°951	-32°767	-2	...	...	...	55°972	+38°290	-2	...	...	...	911				
871	+49°016	+21°427	0°90	46.8305	9°6	*	+56°219	+58°333	1°40	45.8221	9°4	...	911				
*	49°162	-21°651	0°95	...	...	...	56°257	+55°616	-4	...	...	...	911				
*	49°845	+16°042	1°60	46.8306	9°0	S *	56°578	+3°545	2°60	46.8312	8°0	...	911				
*	49°960	-3°940	1°40	47.7969	9°2	...	56°656	-33°554	-5	...	...	...	911				
...	50°072	+35°082	-1	...	...	...	56°724	+26°615	-1	...	...	...	911				
*	+50°280	+42°539	1°15	46.8307	9°6	...	+57°427	+49°018	-4	...	...	...	911				
...	50°394	+9°034	-3	...	...	...	57°490	-24°083	0°70	...	...	...	911				
*	50°463	+31°672	1°60	46.8308	9°0	...	57°641	-34°764	-4	...	...	...	911				
...	50°506	-28°534	-5	...	...	...	57°688	+8°351	1°05	46.8313	9°6	...	911				
...	50°819	-47°444	0°95	...	...	...	57°851	-11°867	1°00	...	...	...	911				

- 47°

No. 102

D,-2

1904·64

16^h 55^m

1-10					11-20					21-30								
I	,	-59°958	+33°472	-5	o	...	*	-59°266	-40°672	1°40	47.7965	9°2	21	-58°257	+7°966	2°20	46.8303	8°4
...	59°943	+42°741	-4	...	...	...	...	59°029	+12°098	-4	...	...	...	57°868	+29°810	0°90	...	...
...	59°886	+40°968	0°95	...	...	...	...	58°875	+16°735	-4	...	...	...	57°737	-9°134	0°70	...	...
...	59°817	+3°102	-2	...	...	...	...	58°815	+0°813	-5	M	...	...	57°292	+27°913	1°00	...	...
...	59°782	+28°098	-4	...	...	...	...	58°631	+12°463	-4	...	...	...	57°256	-36°587	-5	E	...
*	-59°657	-31°465	1°00	47.7964	9°5	...	-58°600	-12°972	0°85	...	...	...	-57°174	+1°844	-5	M	...	
*	59°629	-44°285	1°10	47.7962	9°2	...	58°595	+21°688	-5	...	...	...	56°951	-11°369	-3	...	...
...	59°471	-24°707	-4	...	...	...	58°486	-16°659	-4	...	...	...	56°518	+34°579	1°00	46.8304	9°6	
S *	59°460	+52°260	2°90	46.8302	8°0	...	58°394	-55°694	-1	...	...	...	56°463	+5°161	0°70	...	...
...	59°420	+30°856	-5	...	...	...	58°338	-29°846	0°75	...	...	...	56°444	-0°822	-5	M	...	

L measured from 1, 155, 375, 549, 751, 914.
C " " 78, 253, 466, 636, 844, 1006.16^h 55^m

354

- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
31-90										91-150									
31	-56·402	+ 0·847	- 5	M	...	91	-48·486	+37·232	- 5	...	...	151	-40·797	-20·737	0·70	...	...
...	55·753	+46·181	- 4	...	...	*	47·978	+58·463	1·30	45·8221	9·4	...	40·779	-48·909	-4	M	...
...	55·749	-20·280	- 2	...	...	*	47·966	+33·121	1·CO	...	...	...	40·556	-42·222	0·75	...	...
*	55·521	-13·454	1·00	...	...	*	47·870	+46·317	- 1	...	...	...	40·518	- 0·749	0·65	...	...
†	55·099	-36·961	- 4	...	...	*	47·840	+55·762	- 1	...	...	...	39·995	-34·215	- 5	M	...
†	-55·090	- 7·335	- 5	...	...	*	-47·793	+13·692	1·00	...	...	...	-39·907	-19·693	- 2	...	...
...	54·848	-40·298	- 5	M	...	*	47·760	-20·752	- 4	M	...	...	39·875	-13·765	0·95	...	...
...	54·788	-14·756	- 5	...	...	*	47·588	+38·450	0·70	...	...	...	39·852	+42·636	0·95	...	...
...	54·744	-26·830	- 4	E	...	*	47·262	+18·345	- 5	M	...	...	39·844	-53·026	- 4	M	...
...	54·691	+34·558	0·70	...	...	*	47·110	-13·708	- 3	E	...	...	39·814	+37·326	- 4	...	...
41	-54·580	+37·774	- 5	...	...	101	-47·087	+ 2·815	- 4	...	...	161	-39·536	-47·260	0·95	...	...
...	54·556	-21·534	0·70	...	...	*	47·003	- 7·339	- 4	M	...	...	39·533	-25·456	0·95	...	...
...	54·381	+29·835	- 5	...	...	*	46·823	-50·742	- 5	...	...	...	39·452	-47·632	0·80	...	...
...	54·207	-33·054	- 5	E	...	*	46·817	-22·775	- 4	M	...	...	39·142	+56·296	- 4	...	...
*	53·996	+21·353	0·95	46·8305	9·6	*	46·661	-53·866	- 4	E	...	...	39·088	-58·581	1·00	...	...
...	-53·985	+35·893	- 5	...	...	*	-46·463	+49·202	- 2	...	...	...	-38·991	-17·320	- 1	...	...
...	53·761	- 2·955	0·75	...	...	*	46·454	+26·777	0·70	...	...	...	38·958	-18·256	- 3	...	...
*	53·736	-41·886	1·10	47·7968	9·5	*	46·421	-59·719	0·90	...	...	...	38·911	-14·619	1·00	47·7974	9·6
*	53·397	+42·494	1·00	46·8307	9·6	*	46·251	-40·827	- 4	M	...	...	38·847	+57·966	- 4	...	...
...	53·375	+35·026	0·65	...	...	S *	45·860	+ 3·719	2·60	46·8312	8·0	*	38·533	-31·372	1·10	47·7975	9·0
51	-53·269	+39·606	- 5	M	...	III	-45·695	-39·283	- 3	E	...	171	-38·403	+35·989	- 4	...	...
...	53·080	+ 1·043	- 5	...	...	*	45·600	+10·169	- 5	M	...	...	38·379	-31·296	- 5	M	...
...	53·036	-30·687	- 4	E	...	*	45·536	-46·206	- 5	M	...	...	38·171	+56·808	- 5	...	...
*	52·988	+15·989	1·40	46·8306	9·0	*	45·408	-39·106	- 5	M	...	...	38·167	+19·861	- 3	...	...
...	52·889	-16·716	- 5	M	...	*	45·044	-50·712	1·05	...	...	...	37·850	-14·416	- 2	...	...
*	-52·867	+31·640	1·30	46·8308	9·0	*	-45·021	+26·625	1·15	46·8314	9·4	*	-37·624	-53·301	- 4	M	...		
...	52·538	- 2·318	- 5	M	...	*	44·908	+ 8·563	1·00	46·8313	9·6	*	37·421	+10·878	- 5	...	...
*	52·473	-21·710	0·90	...	...	*	44·902	+28·018	0·85	...	...	...	37·357	+20·072	- 5	...	...
...	52·376	+39·544	0·95	...	...	*	44·809	-52·794	0·65	...	...	...	37·258	-21·071	1·00	47·7976	9·2
...	52·375	- 2·193	- 5	M	...	*	44·601	-33·366	- 3	...	...	...	37·183	- 0·193	0·70	z	...
61	-52·316	-32·824	- 1	...	...	121	-44·588	+33·689	1·00	...	...	181	-37·071	+58·923	- 3	...	...
*	52·245	- 3·982	1·35	47·7969	9·2	*	44·112	+28·790	- 5	...	...	...	37·034	-24·736	- 5	M	...
...	52·213	+ 9·005	- 2	...	...	*	44·100	-11·644	1·00	...	...	...	36·911	-27·452	- 5	M	...
...	52·159	+33·863	- 5	M	...	*	44·060	-23·866	0·70	...	...	...	36·842	-28·686	0·75	...	...
...	52·010	+15·856	- 1	...	...	*	43·812	- 5·347	1·30	47·7974	9·2	*	36·788	+56·443	- 5	...	...
...	-51·230	+56·692	- 5	...	...	*	-43·685	+47·949	- 5	...	...	...	-36·687	+26·355	- 4	...	...
...	51·008	+27·082	- 1	...	...	*	43·665	+58·735	- 4	...	...	...	36·677	+45·874	- 2	...	...
*	50·976	+ 3·042	1·00	46·8309	9·6	*	43·583	-34·548	- 1	...	...	...	36·568	+42·942	- 5	...	...
...	50·972	+ 0·606	0·70	...	...	*	43·424	+11·033	- 3	...	...	...	36·501	+42·103	- 5	...	...
...	50·959	-33·211	- 5	M	...	*	43·254	- 0·239	- 3	E	...	...	36·473	+26·322	- 4	...	...
71	-50·938	-51·765	- 5	M	...	131	-43·193	+45·184	1·20	46·8315	9·5	191	-36·461	-49·716	- 5	M	...		
...	50·911	-28·545	- 4	...	...	*	42·792	+57·757	- 4	...	...	...	36·244	+42·683	- 5	...	...
...	50·685	+17·134	- 4	...	...	*	42·783	-17·314	0·70	...	...	...	36·217	+16·362	0·70	...	...
...	50·387	- 4·694	- 5	M	...	*	42·652	-31·693	1·30	47·7973	9·2	*	36·110	+19·379	0·90	46·8316	9·6		
...	50·301	+ 5·655	- 4	...	...	*	42·599	- 2·260	- 2	...	...	...	36·028	-41·618	- 3	...	...
...	-50·256	-27·231	0·80	...	...	*	-42·587	+30·991	0·75	...	...	...	-35·944	+50·693	1·00	...	...
†	50·163	+ 0·833	0·65	...	...	*	42·428	-21·774	0·70	...	...	...	35·829	- 0·771	0·85	...	...
†	50·078	+26·114	- 5	...	...	*	42·308	-55·593	0·70	...	...	...	35·749	+28·049	1·00	46·8318	9·6
...	49·996	-47·438	0·95	...	...	*	42·232	-48·464	1·00	...	...	...	35·703	+11·566	- 4	...	...
...	49·961	+59·663	- 4	...	...	*	42·184	-24·250	- 5	M	...	...	35·617	-41·335	- 4	M	...
81	-49·856	+15·483	- 1	...	...	141	-42·096	-33·846	- 3	...	...	201	-35·616	-48·077	0·70	...	...
...	49·782	+ 5·032	0·70	...	...	*	41·945	-43·663	0·80	...	...	...	35·525	+ 6·710	1·40	46·8317	9·0
...	49·764	-29·480	- 4	M	...	*	41·468	+32·752	- 4	...	...	...	35·516	-17·902	- 2	...	...
...	49·760	-22·318	- 4	...	...	*	41·446	+48·790	- 1	...	...	...	35·253	-14·614	1·10	47·7977	9·2
†	49·540	+24·960	- 4	...	...	*	41·290	+26·487	- 5	M	...	...	35·233	+50·127	0·80	...	...
*	-49·399	- 7·209	1·15	47·7971	9·3	*	-41·162	+53·537	- 5	...	...	...	-35·140	+23·677	- 5	...	...
*	49·209	+ 0·109	1·05	46·8310	9·6	*	41·140	- 6·052	- 3	...	...	...	34·903	- 6·170	0·80	...	...
*	49·003	+27·244	1·20	46·8311	9·5	*	41·073	-44·364	- 5	M	...	...	34·868	+51·704	- 4	...	...
...	48·962	-25·389	- 4	E	...	*	41·032	+ 4·407	- 2	...	...	...	34·775	-50·841	0·80	...	...
...	48·714	- 2·704	- 5	M	...	*	40·806	-19·385	0·75	...	...	...	34·751	+ 6·090	0·90	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
211-270																		
211	... -34·449	-48·088	-5	M	...	271	-28·059	-51·349	-5	...	...	331	-24·467	+47·875	0·80	...	...
...	34·191	+2·247	-5	...	...	*	28·037	-51·601	1·00	47·7981	9·6	*	24·430	+27·537	1·20	46·8331	9·6
...	34·172	-49·748	0·75	...	...	...	27·988	+8·127	-4	...	...	...	24·349	+36·723	-1	...	...
...	34·119	-15·964	-5	M	...	S *	27·955	+40·127	3·00	46·8324	7·4	*	24·323	+5·076	1·40	46·8329	9·4	
...	34·007	+21·488	0·80	...	...	*	27·918	+32·056	1·15	46·8323	9·6	...	24·306	+37·098	0·70	...	...
...	-34·000	+23·491	-5	M	...	...	-27·916	-18·339	-4	M	...	...	-24·274	-43·577	-3	A	...
*	33·900	-35·236	0·95	...	...	*	27·843	-8·141	1·00	47·7984	9·6	...	24·143	-55·197	-3	A	...
...	33·766	+31·441	-5	...	...	...	27·792	-57·038	0·90	...	...	*	24·041	-42·808	1·10	47·7986	9·6
...	33·756	-30·992	-5	M	...	...	27·679	-37·072	-2	...	...	...	23·963	-35·070	-4	M	...
...	33·736	+45·823	-5	...	...	...	27·531	+52·944	-4	M	...	...	23·922	-18·139	-4	...	...
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	-33·682	-51·712	0·90	...	...	...	-27·321	+49·325	-4	...	...	...	-23·762	-13·240	0·90	...	...
...	33·557	+38·060	0·70	...	...	...	27·257	+55·528	-4	...	...	...	23·642	+32·226	0·65	...	...
*	33·330	-31·857	1·00	47·7978	9·6	*	27·196	-48·500	1·20	47·7985	9·6	...	23·582	-9·717	0·70	...	...
...	33·278	-33·859	-3	...	...	...	27·114	-55·374	-5	M	...	...	23·434	+11·370	0·70	...	...
...	33·275	-7·134	0·80	...	...	...	27·108	-52·804	-4	M	...	...	23·327	+29·090	-5	...	...
*	-33·065	+12·120	2·00	46·8319	8·7	...	-27·081	+27·746	0·65	...	...	*	-23·262	-1·910	1·00	...	...
*	33·011	-21·143	1·00	47·7979	9·5	...	27·029	+36·824	-5	...	...	...	23·077	+1·267	-4	...	...
...	33·004	+42·390	-5	...	...	...	27·014	+30·950	-3	...	...	*	23·000	-23·096	1·15	47·7987	9·6
...	32·892	+31·432	-5	...	...	...	26·956	-9·135	0·65	...	...	...	22·949	-28·160	-4	M	...
...	32·871	+40·037	-5	...	...	...	26·929	+25·520	0·85	46·8325	10·0	...	22·809	+45·868	0·70	...	...
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	-32·812	-52·818	0·90	...	...	...	-26·897	-23·878	-5	M	...	...	-22·520	-37·565	0·70	...	...
...	32·715	-21·295	0·90	...	...	...	26·796	+38·492	-5	...	...	...	22·452	+2·806	-5	...	...
...	32·374	+0·507	0·90	...	...	...	26·770	+53·358	0·70	...	...	*	21·948	+47·837	1·10	46·8332	9·9
...	32·306	+22·028	-3	...	...	...	26·553	+29·689	-4	...	...	...	21·758	-10·339	0·85	...	...
...	32·184	+16·874	-5	...	...	...	26·460	+2·135	-4	...	...	*	21·716	+44·457	1·00	46·8333	10·0
...	-31·862	+46·022	-4	...	...	...	-26·390	+56·646	-5	...	...	...	-21·605	-6·609	1·00	...	...
*	31·794	+28·146	0·95	46·8320	10·0	...	26·317	+34·234	-3	...	...	*	21·456	-18·260	1·05	47·7989	9·6
...	31·658	-6·990	-5	M	...	...	26·260	+31·374	-4	...	...	...	21·424	+20·539	-5	M	...
*	31·576	-31·664	1·00	47·7980	9·6	...	26·240	+57·700	-3	...	...	*	21·396	+48·044	1·25	46·8334	9·6
...	31·544	+34·806	0·90	...	...	...	26·143	-5·217	0·90	...	...	...	21·289	+55·673	-1	...	...
241	...	...	...	...	...	301	...	...	...	...	...	361	*	...	...	...	...
...	-31·415	-7·722	1·00	...	...	...	-26·117	-15·600	-3	...	...	*	-21·277	-37·214	1·20	47·7988	9·6
...	31·289	+1·976	0·90	...	...	...	26·086	-7·675	-1	...	...	...	21·270	+21·417	0·70	...	...
...	31·238	-20·554	-5	M	...	...	26·086	-51·338	-4	M	...	...	21·265	+29·035	-4	...	...
...	31·104	-3·960	0·70	...	...	...	26·022	+35·078	-5	M	...	...	21·112	-1·903	-4	M	...
...	31·101	-10·890	-4	...	...	...	25·988	+43·813	-2	...	...	...	21·032	+57·635	-3	...	...
...	-30·943	+42·335	-5	...	...	...	-25·968	+13·058	-5	...	...	...	-20·924	-21·662	-1	...	...
...	30·933	-14·646	-3	...	...	*	25·851	+27·378	1·30	46·8326	9·5	...	20·741	-10·660	0·70	...	...
...	30·899	-11·174	-5	M	...	...	25·806	+56·705	-4	...	...	...	20·632	+33·316	-3	...	...
...	30·875	+58·818	-1	...	...	...	25·649	-47·648	-4	M	...	...	20·624	+23·611	-4	...	...
...	30·864	-25·041	-5	...	...	...	25·561	+44·169	-5	...	...	*	20·545	+23·464	1·05	46·8335	9·9
251	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...
...	-30·420	+52·169	-5	...	...	...	-25·560	+52·780	0·75	...	...	...	-20·372	+21·776	-5	M	...
...	30·287	+38·564	-5	...	...	...	25·540	+4·664	-3	...	...	*	20·348	-7·929	1·15	47·7990	9·6
...	29·978	-58·139	-2	A	...	*	25·464	+50·058	3·00	46·8327	7·6	...	20·336	-9·066	0·65	...	...
...	29·913	-50·629	-5	M	...	...	25·330	-41·686	0·70	...	...	...	20·309	-0·204	-5	M	...
...	29·902	-52·145	-4	M	...	†	25·265	-14·640	-5	...	...	...	20·059	+39·930	-4	...	...
...	-29·834	-54·484	-5	M	...	...	-25·065	+21·744	0·70	...	...	...	-20·050	+20·710	-4	...	...
...	29·766	+39·180	-4	...	...	...	24·983	-23·629	-4	...	...	...	19·925	+38·788	-5	...	...
...	29·764	-38·300	0·90	...	...	...	24·878	+20·247	0·90	46·8328	10·0	...	19·919	-53·649	-5	M	...
...	29·428	-9·108	-5	M	...	...	24·863	+19·665	-4	...	...	...	19·855	-53·712	-5	M	...
...	29·395	-58·959	0·90	...	...	...	24·773	+8·582	-4	...	...	...	19·471	+4·547	-5	M	...
261	*	-29·230	+1·959	1·15	46·8321	9·8	...	-24·748	-10·846	-5	M	19·272	-7·025	0·85
...	29·210	+50·576	-3	...	...	...	24·745	-30·140	0·80	...	...	...	18·944	+16·550	-5	...	...
*	29·010	+14·445	1·00	46·8322	10·0	...	24·729	-37·373	-5	M	...	...	18·511	+9·112	0·90	46·8336	10·0
...	28·796	+28·448	-5	M	...	...	24·649	+10·066	-5	...	...	...	18·403	+0·810	-5	M	...
...	28·573	+56·437	-4	...	...	*	24·634	+42·103	1·00	46·8330	10·0	*	18·326	+25·458	1·50	46·8337	9·3
*	-28·547	-7·837	1·60	47·7982	8·9	...	-24·618	-37·124	-4	M	...	*	-18·274	-46·901	1·00	...	...
*	28·274	-10·976	1·30	47·7983	9·2	...	24·595	-51·386	-3	B	...	*	18·236	-21·818	1·25	47·7992	9·0	
...	28·228	-13·412	-5	M	...	...	24·529	+36·214	-4	...	...	...	18·231	+6·693	-5	...	...
...	28·211	-41·478	-5	M	...	...	24·498	+34·416	-5	...	...	...	18·179	+31·440	-5	...	...
...	28·068	+52·888	-2	...	...	...	24·476	+25·542	0·70	...	...	...	18·016	+2·649	1·00	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
391-450																		
39 ¹	-17·884	-32·195	-5	M	...	45 ¹	-11·413	+ 1·836	-5	M	...	51 ¹	-5·683	+34·731	-4	...	...
...	17·865	-58·424	-5	M	...	...	11·249	-51·595	0·75	...	...	...	5·645	+42·998	-4	...	...
...	17·858	+23·699	-5	...	...	*	11·247	+27·846	1·40	46·8344	9·3	...	5·628	+36·916	-5	M m	...
...	17·752	-57·023	-5	M	...	...	11·245	-18·857	-4	...	...	...	5·511	-29·818	-5	M m	...
*	17·737	+39·404	1·00	46·8338	9·9	...	11·149	-3·163	1·00	47·7996	10·0	*	5·463	-42·384	1·35	47·8003	9·2	
S *	-17·529	-50·730	1·50	47·7993	9·0	...	-11·055	-55·672	0·75	...	...	...	-5·442	+19·394	0·90	...	...
...	17·512	-20·215	-2	...	...	...	10·967	-35·255	-5	M	...	†	5·183	+7·857	-4	...	...
*	17·410	-48·901	1·00	47·7994	9·9	N	10·875	+9·687	0·80	46·8345	9·6	...	5·144	-58·751	0·80	...	...
...	17·398	-24·061	-4	M	...	N *	10·833	+9·643	1·10	46·8345	9·6	...	5·134	+50·480	0·75	...	...
...	17·312	-8·747	-5	M	...	...	10·859	-59·768	0·90	...	...	...	4·914	-21·859	0·90	...	...
40 ¹	-17·230	+57·641	-4	46 ¹	-10·651	-9·484	-1	47·7997	10·0	...	52 ¹	-4·476	+10·368	-4
...	16·919	-29·483	-4	...	...	...	10·397	-47·129	-1	...	...	...	4·331	-53·488	-4	M m	...
...	16·876	-47·830	-4	...	...	*	10·395	+37·173	1·00	46·8346	10·0	...	4·245	+49·643	-3	...	...
...	16·841	-59·611	0·95	...	...	...	10·353	-8·362	-5	M	...	...	3·778	-33·165	0·75	...	...
...	16·759	-30·687	-5	M	...	+	10·349	-17·734	1·35	47·7998	9·6	...	3·502	-18·605	0·65	...	...
...	-16·484	+0·904	-5	M	...	...	-10·079	+33·793	-3	...	...	...	-3·347	-34·220	-5	M m	...
...	16·405	-34·146	-5	M	...	...	9·537	-35·044	0·70	...	...	...	3·268	+31·969	-5	...	...
...	16·219	-48·156	-5	M	...	...	9·506	+39·647	-4	...	...	...	3·238	-6·705	-5	M	...
*	16·147	+35·662	0·85	...	*	...	9·503	+2·438	1·05	46·8347	10·0	...	3·212	+21·991	-5	m	...	
*	16·120	+12·445	1·10	46·8339	9·8	...	9·437	+56·543	-5	...	...	...	3·067	+57·824	-3	...	...
41 ¹	-16·084	+49·773	-4	47 ¹	-9·398	+23·058	-5	53 ¹	-3·046	+51·561	0·80
...	15·558	+17·636	0·80	...	...	...	9·302	-46·171	-4	m	...	...	2·754	-57·443	-4	M m	...
...	15·539	+31·952	-5	...	...	...	8·903	+25·191	-4	...	...	...	2·750	+38·175	-5	M m	...
...	15·436	+28·488	-4	...	...	...	8·856	+27·094	-5	M	...	...	2·646	-41·235	0·70	...	...
...	15·435	-39·423	-3	...	...	...	8·774	+28·266	0·70	...	...	...	2·540	-45·874	-3	...	...
...	-15·392	+14·319	-3	...	...	...	-8·554	+2·515	-1	...	...	†	-2·482	-14·954	0·85	...	...
...	15·369	+31·101	-4	...	...	*	8·535	-39·991	0·95	...	...	...	2·347	-9·589	-1	...	...
†	15·299	+26·384	0·80	...	*	...	8·242	+52·927	1·00	46·8348	10·0	...	2·116	+28·939	-5	M m	...	
†	15·271	+40·892	0·95	46·8340	10·0	...	8·231	-58·805	-4	M m	...	...	2·082	-43·248	-4	m	...
...	15·041	+57·826	-5	...	...	...	8·129	-49·762	0·65	...	...	...	2·055	+34·375	1·05	46·8352	9·9
42 ¹	-14·905	+23·210	-5	48 ¹	-8·036	-45·096	-4	M m	54 ¹	* -1·932	+18·482	0·95	46·8353	10·0
...	14·881	-17·963	-5	M	...	S *	7·986	-12·352	2·55	47·7999	8·6	*	1·799	-49·352	1·05	47·8004	10·0	
...	14·878	+41·800	-4	...	...	...	7·983	-4·521	0·90	...	...	...	1·683	+56·523	-5	M m	...
*	14·678	-6·499	1·00	47·7995	9·6	...	7·880	+3·642	0·65	...	...	...	1·491	-37·856	-5	M m	...
...	14·645	-57·649	-5	M	...	*	7·820	-31·296	1·10	47·8001	9·9	...	1·138	-8·032	-4	...	...
...	-14·632	+54·217	-5	...	...	...	7·816	-32·766	0·95	47·8000	9·8	...	-1·055	-30·293	0·70	...	...
*	14·579	+56·016	1·00	46·8341	10·0	...	7·770	-15·351	-4	M	...	*	0·926	+58·832	1·30	45·8267	9·3	
...	14·380	-5·701	-5	M	...	...	7·576	-35·139	-3	...	...	...	0·537	+39·176	0·70	...	...
...	14·286	+30·055	0·70	...	...	...	7·476	-7·967	-5	m	...	...	-0·165	+39·570	-5	m	...
...	14·130	-57·791	-5	M	...	...	7·445	+25·666	0·65	...	...	*	+ 0·121	-20·965	1·15	47·8005	9·6
43 ¹	-13·864	-31·762	0·70	49 ¹	-7·417	+45·214	-5	M m	55 ¹	+ 0·237	+26·390	0·75
...	13·654	-53·230	-5	M	...	...	7·323	-45·731	-5	M m	...	S *	0·256	+22·244	2·00	46·8354	8·5
...	13·595	+22·788	0·95	46·8342	10·0	*	7·256	+8·399	1·10	46·8349	10·0	...	0·323	-46·785	-5	M m	...	
...	13·585	+57·044	-5	...	...	*	7·036	+28·189	1·05	46·8350	10·0	...	0·530	+6·056	-5	...	...
...	13·378	+44·545	-4	...	...	...	6·972	-31·567	-4	...	...	...	0·532	+45·146	-5	...	...
...	-13·337	+21·704	-5	...	...	...	6·820	+49·428	-3	...	...	...	+ 0·536	-50·682	-5	M m	...
...	13·246	+26·822	0·70	...	...	*	6·817	-55·418	1·20	47·8002	9·6	...	0·594	-27·380	-5	M m	...
...	13·140	-48·912	-5	M	...	...	6·662	-6·707	-1	...	...	...	0·659	+42·487	-5	m	...
...	12·996	-53·645	0·70	...	...	...	6·569	+34·142	-4	M m	...	...	0·688	-8·313	1·00	47·8006	10·0
...	12·932	+19·325	0·95	...	...	...	6·505	-39·171	0·70	...	...	...	0·726	+23·727	-2	...	...
44 ¹	-12·851	-20·303	-5	M	...	50 ¹	-6·493	-9·003	0·85	56 ¹	+ 0·805	+23·737	-4
...	12·749	-40·070	-5	M	...	...	6·394	-35·326	-5	M m	...	...	1·017	-33·539	-4	...	...
...	12·650	-16·849	-4	...	...	...	6·067	+17·385	-4	...	...	...	1·025	-21·485	-4	...	...
...	12·589	+38·840	0·80	...	...	...	6·010	-46·757	-4	M m	...	*	1·133	+33·727	2·10	46·8355	8·8
...	12·563	-41·485	-2	...	...	...	5·874	+59·530	-3	...	...	...	1·416	-50·313	-4	m	...
*	12·432	-16·227	-5	M	...	*	5·848	-2·295	1·50	46·8351	9·0	...	+ 1·441	-2·304	-5	m	...	
...	12·219	+31·100	1·40	46·8343	9·1	...	5·761	+16·287	-5	m	...	*	1·455	+39·435	3·00	46·8356	8·2	
...	12·093	+20·013	0·70	...	...	...	5·743	-49·622	-3	...	...	...	1·477	-59·357	0·85	...	...
...	12·053	-20·901	-4	...	...	...	5·723	+39·453	-5	M m	...	*	1·508	-40·739	1·00	47·8007	10·0
...	11·970	-33·165	-5	...	...	†	5·710	+54·886	-5	...	...	...	1·595	+55·049	0·95	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
571-630																		
571	+ 1·947	-47·009	-4	°m	...	631	+ 9·017	-22·938	-1	°	...	691	+ 14·205	-46·868	0·65	°	...	
...	-2·258	-43·039	0·65	...	...	...	9·217	-45·810	-5	m	...	...	14·253	-58·780	-5	m	...
...	-2·424	-26·816	0·95	...	...	...	9·356	+43·616	-2	...	...	...	14·271	-5·777	-4	...	...
...	-2·569	-57·556	-5	M m	...	...	9·591	-23·309	2·10	47·8012	8·8	...	14·374	-51·553	-2	...	...
...	-2·580	-58·910	-4	m	...	...	9·673	+39·250	1·10	46·8364	9·8	...	14·527	-59·830	-5	m	...
...	+ 2·901	+13·213	-5	...	...	...	+ 9·786	-0·806	-4	m	...	...	+14·560	-57·401	-4	...	...
...	-2·908	-4·886	0·95	...	...	...	9·797	-2·370	-5	...	...	...	14·586	-55·914	-4	...	...
...	-2·946	-29·194	-5	m	...	...	9·827	-55·306	0·65	...	...	...	14·795	+33·893	-5	m	...
...	3·012	-57·441	-4	M m	...	*	9·856	+13·703	1·20	46·8365	9·8	...	14·916	-30·716	-5	m	...	
*	3·303	+23·095	0·95	46·8357	10·0	...	10·021	+39·018	-5	...	...	...	14·923	+ 3·772	0·85	...	...
581	+ 3·360	-17·047	0·95	47·8008	10·0	...	641	+10·057	+52·069	-5	m	...	701	+15·011	+19·198	-4
...	3·417	+12·944	-4	...	...	...	10·165	-4·549	-5	m	...	...	15·143	-57·670	-5	m	...
...	3·568	-48·535	-2	...	...	...	10·334	+35·474	-2	...	...	...	15·154	+51·838	-5	m	...
...	3·789	-46·055	-3	m	...	...	10·355	-54·708	-3	...	...	...	15·234	-10·355	0·65	...	...
...	3·875	-7·600	-1	...	...	...	10·395	+35·566	0·70	...	...	...	15·428	-10·650	-1	...	...
†	+ 4·020	-0·111	-5	M m	...	...	+10·649	+32·524	-5	m	...	...	+15·450	-58·224	-5	m	...
...	4·236	-0·934	-4	...	...	...	10·719	-31·507	-1	...	...	...	15·554	-24·963	-2	...	...
...	4·243	-43·438	0·65	...	...	...	10·767	+32·937	0·75	...	...	...	15·559	-17·995	-4	...	...
...	4·467	-36·422	-5	...	*	...	10·774	+44·360	1·05	46·8366	10·0	...	15·594	+ 3·953	-4	...	...
†	4·750	+32·876	1·00	46·8358	9·9	...	11·063	-53·085	-3	...	...	...	15·740	-57·715	-4	...	...
591	+ 4·902	-33·130	-5	M m	651	+11·071	-56·571	-3	+15·816	-57·377	-4	m	...
...	5·115	+ 1·041	-5	M m	...	...	11·142	-55·272	0·80	...	...	...	15·833	-59·365	-5	m	...
...	5·139	-57·488	-5	M m	...	...	11·273	-54·141	-5	m	...	...	15·870	+50·899	-4	m	...
*	5·148	-58·361	1·00	47·8009	9·9	...	11·319	+45·328	-3	...	...	...	16·025	+10·702	-3	...	...
*	5·217	-13·034	2·00	47·8010	9·0	*	11·393	+41·466	1·80	46·8367	8·8	...	16·033	-23·558	-5	m	...	
...	+ 5·222	-55·361	-5	M m	...	...	+11·491	-7·311	0·70	...	...	...	+16·035	+32·198	-4	...	...
...	5·344	-29·723	-4	...	...	...	11·595	-17·055	0·95	47·8013	10·0	...	16·095	-57·102	-4	...	...
*	5·493	+38·056	1·10	46·8359	9·6	...	11·610	-53·688	-4	m	...	*	16·234	-17·843	2·60	47·8014	8·3	
*	5·633	+23·688	3·00	46·8360	8·3	...	11·711	-59·054	0·70	...	...	...	16·297	+43·241	-3	...	...
...	5·633	-51·338	-5	M m	...	...	11·756	-46·754	0·90	...	...	...	16·320	+ 8·746	-3	...	...
601	+ 5·836	-53·207	-4	M m	661	+11·896	+ 0·703	-5	m	+16·391	+20·412	-5	m	...
...	5·984	-36·720	-3	...	...	...	11·998	-56·941	-5	m	...	...	16·712	+39·808	0·95	46·8370	10·0
...	6·029	+ 7·771	-5	...	...	...	12·119	+ 1·590	-5	...	...	*	16·841	-10·896	1·25	47·8015	9·6
...	6·044	-43·816	0·80	...	...	...	12·128	-13·943	0·75	...	...	...	16·899	-56·452	-4	m	...
...	6·110	-37·629	0·85	...	...	...	12·147	-57·668	-4	m	...	...	17·030	-52·242	-2	...	...
...	+ 6·208	+59·708	0·85	...	...	...	+12·182	+44·083	-4	m	...	*	+17·097	-33·721	1·00	...	...
...	6·230	-43·058	-3	...	...	...	12·314	-53·976	-4	m	...	...	17·297	-48·792	-3	...	...
...	6·259	+12·077	-4	...	...	...	12·458	+ 1·526	-4	...	...	...	17·365	+55·525	-4	m	...
...	6·368	-18·546	-5	M m	...	*	12·470	+32·832	1·40	46·8368	9·0	...	17·391	+46·019	0·65	...	...
...	6·403	+30·181	-5	M m	...	...	12·478	+51·318	-1	...	...	*	17·422	-17·722	1·00	...	...
611	+ 6·497	-5·439	0·90	671	+12·538	-31·783	0·65	+17·469	+18·153	-5	m	...
...	6·529	-53·034	-4	M m	...	...	12·786	-20·241	-5	m	...	...	17·635	-7·929	1·00	...	...
*	6·547	+18·365	1·00	46·8361	10·0	...	12·814	-51·996	0·65	...	...	...	17·656	-45·044	-3	a	...
S *	6·581	+57·504	2·10	46·8362	8·4	*	12·860	-1·019	5·00	46·8369	7·2	*	17·719	-55·023	1·20	47·8016	9·6	
...	6·599	-0·147	-3	...	...	...	12·860	-59·065	-4	...	...	...	17·755	-52·956	0·65	...	...
...	+ 7·104	-49·985	-5	M m	...	...	+12·898	-32·307	0·95	...	...	...	+17·771	-47·080	-5	m	...
...	7·105	-57·841	-2	...	...	...	12·909	-59·328	-5	m	...	...	17·808	-17·025	0·85	...	...
...	7·277	-54·054	-4	m	...	...	13·060	-3·036	-2	...	...	...	17·922	-45·598	0·90	...	...
...	7·599	-33·007	-4	...	...	...	13·194	-2·041	-5	m	...	...	18·093	-10·322	-4	m	...
...	7·658	-38·265	-4	...	...	...	13·228	+51·393	-1	...	...	...	18·265	-21·562	-1	...	...
621	+ 7·889	-24·444	0·65	681	+13·406	-29·070	-3	+18·356	+34·513	-5	m	...
*	7·936	+25·160	1·00	46·8363	10·0	...	13·525	+19·451	-4	...	...	...	18·571	-53·977	-5	m	...
*	8·178	-37·982	0·95	...	...	...	13·706	-38·656	-2	...	...	*	18·779	-32·178	1·00	...	...
...	8·200	+26·095	-5	m	...	...	13·727	-8·490	0·85	...	...	...	18·794	+26·626	-5	m	...
...	8·396	+53·036	-4	...	...	...	13·752	+ 1·657	-5	m	...	*	18·840	-44·503	1·30	47·8017	9·5
...	+ 8·550	-45·732	-4	...	...	...	+13·937	-54·289	-1	...	...	...	+18·869	-34·334	-4	m	...
*	8·593	+52·584	1·00	...	...	...	14·003	-15·178	-5	...	...	...	18·934	-43·648	0·80	...	...
...	8·742	+51·623	-5	m	...	...	14·065	-58·544	-5	m	...	...	19·081	+10·773	-4	...	...
...	8·901	-42·674	-5	m	...	...	14·169	-50·278	-4	m	...	...	19·222	+ 6·932	-2	...	...
...	8·944	+37·315	0·65	...	...	...	14·181	-38·668	-2	...	...	...	19·341	+32·746	-4	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
751-810																	
751	+19·690	-53·725	-5	m	...	811	+26·615	-39·893	0·90	47·8020	10·0	871	* +34·389	+46·942	1·05	46·8379	10·0
...	20·049	-55·239	-5	m	...	*	26·641	-5·924	3·00	47·8019	8·1	...	34·427	-0·780	0·65	...	...
...	20·051	+45·150	-4	...	...	*	26·819	+10·121	3·80	46·8375	7·4	...	34·512	-10·458	-5	m	...
...	20·063	-36·497	-5	m	...	...	26·892	-52·857	-5	m	...	...	34·606	-10·759	0·75	...	...
...	20·546	-46·609	-5	m	...	...	26·935	+19·491	0·80	...	...	...	34·773	-2·411	-4	...	...
...	+20·774	+4·793	-5	...	...	...	+26·948	-41·439	-5	m	...	...	+34·994	-2·649	-3	...	...
...	20·832	-57·458	-3	...	...	...	27·187	+14·330	-5	...	...	...	35·077	-53·487	-5	m	...
...	20·863	-32·301	-5	m	...	...	27·244	+7·295	-5	...	...	...	35·193	-33·198	-4	...	...
...	20·880	-31·934	0·90	47·8018	10·0	...	27·247	-12·550	0·90	47·8021	10·0	...	35·226	-2·456	-5	m	...
†	20·897	-39·911	-4	...	...	...	27·493	+57·586	-5	m	...	α*	35·293	-0·219	1·10	46·8380	9·9
761	+20·901	-42·981	-5	m	...	821	+27·550	-42·478	0·90	...	...	...	+35·341	+37·781	-5	m	...
...	20·903	-23·253	-5	m	...	...	27·709	-16·799	0·80	...	...	...	35·658	-53·544	-5	m	...
...	21·226	+40·803	-5	m	...	...	27·748	-37·693	0·70	...	...	...	35·803	+24·957	-4	m	...
...	21·406	-58·331	-4	...	...	...	27·808	-21·291	-3	...	...	...	35·895	-11·988	-3	...	...
*	21·573	+46·839	0·90	...	...	...	27·879	-41·384	-5	m	...	...	35·970	+17·487	0·75	...	...
*	+21·683	+1·407	-3	...	...	*	+27·908	-44·001	0·95	47·8022	10·0	...	+36·044	+4·346	-2	...	...
*	21·764	+19·734	1·60	46·8371	9·3	...	27·916	+36·108	-5	m	...	...	36·164	+55·850	-5	m	...
...	21·833	-52·138	-5	m	...	...	28·010	+16·955	-4	...	...	...	36·229	+39·162	0·70	...	...
...	21·872	+41·713	0·65	...	...	...	28·091	+2·048	-5	m	...	*	36·715	+40·945	1·00	46·8381	9·9
...	21·916	+46·582	-5	m	...	...	28·117	+0·048	0·75	α	...	...	36·821	-47·672	-3	a	...
771	+21·923	-51·896	0·70	...	...	831	+28·129	-20·621	0·85	...	...	...	+36·827	-10·663	-2	...	...
†	22·038	+34·804	-5	...	...	...	28·369	-42·244	-5	m	...	...	36·929	-16·289	-4	m	...
...	22·492	-11·626	-5	m	...	...	28·379	+28·225	0·90	...	...	...	37·186	-1·337	-4	m	...
...	22·537	-58·664	-3	...	...	...	28·388	-41·252	-5	m	...	...	37·445	-43·756	0·80	...	...
...	22·604	+17·335	-5	m	...	...	28·672	-42·956	-4	m	...	...	37·699	-11·538	-2	...	...
*	+22·615	+35·457	0·95	46·8372	10·0	...	+29·059	-59·040	-5	m	...	*	+37·742	-17·086	1·40	47·8030	8·9
...	22·676	-5·325	-5	m	...	...	29·206	-45·039	-5	m	...	*	37·743	+46·481	1·05	46·8382	9·6
...	22·689	+16·260	0·75	...	...	*	29·231	-2·319	1·20	47·8023	9·4	...	37·850	+4·865	1·20	46·8384	9·5
...	22·794	+9·026	0·80	...	...	...	29·256	-47·563	-4	m	...	*	38·053	+43·889	1·05	46·8383	10·0
...	22·866	+58·909	-5	m	...	...	29·295	+20·228	0·90	...	...	...	38·091	+26·423	-1	...	...
781	+22·868	+56·889	-4	...	...	841	+29·434	-16·781	-5	m	...	...	+38·392	+39·098	-5	m	...
...	22·955	+3·516	0·90	...	...	SN+	29·481	+4·146	3·80	46·8376	7·6	...	38·630	-54·687	0·70	...	...
...	23·006	-57·820	-5	m	...	*	29·524	-33·779	2·00	47·8024	8·8	*	38·640	-33·205	1·20	47·8032	9·4
...	23·099	-44·696	-4	m	...	†	29·724	+30·243	-5	m	...	*	38·649	-22·725	1·15	47·8031	9·6
*	23·197	+3·058	1·00	46·8373	10·0	...	29·797	-7·449	-4	m	...	...	38·850	-46·122	-5	m	...
...	+23·213	-27·842	0·65	...	...	...	+29·878	-49·593	-5	m	...	...	+39·108	-42·557	-2	...	...
...	23·271	+11·729	-4	...	...	...	29·913	+38·464	-4	m	...	...	39·177	+47·752	0·90	...	...
...	23·469	+21·853	-5	m	...	...	30·119	+33·919	0·65	...	...	...	39·293	+49·524	0·80	...	...
...	23·473	+21·266	-5	m	...	...	30·145	-53·338	0·95	...	...	...	39·312	-40·741	-5	m	...
...	23·524	-35·938	-3	...	...	...	30·261	-31·023	1·00	47·8025	10·0	...	39·337	-57·064	-4	m	...
791	+23·560	-50·075	-5	m	...	851	+30·672	-4·095	-4	...	...	...	+39·410	-58·892	-5	m	...
*	23·686	+46·260	1·00	46·8374	10·0	*	30·734	+59·189	1·80	45·8296	8·8	...	39·545	+34·636	0·90	...	...
...	23·692	+56·591	-5	...	...	*	30·774	+50·166	0·80	...	...	...	39·594	-7·183	0·70	...	...
...	23·998	+58·400	-5	m	...	*	30·832	-9·613	1·00	47·8026	10·0	...	40·066	+0·498	0·90	46·8385	10·0
...	24·143	-23·486	-5	m	...	...	30·972	-42·125	-5	m	...	*	40·141	-42·641	2·00	47·8033	8·6
...	+24·211	-11·695	-5	m	...	†	+31·346	+4·911	0·85	...	...	...	+40·144	-5·397	-5	m	...
†	24·560	-10·655	0·90	...	...	*	31·388	-46·750	1·40	47·8027	9·4	...	40·284	+51·475	-4	...	...
...	24·882	+31·703	0·70	...	...	*	31·893	-51·090	-3	b	...	*	40·377	+0·308	0·95	46·8386	10·0
...	24·997	+23·764	-4	...	...	*	31·899	+47·669	-4	...	...	...	40·396	+20·699	-3	...	...
...	25·170	-43·966	-5	m	...	*	32·412	-55·126	1·00	47·8028	10·0	...	40·759	-15·799	-4	m	...
801	+25·217	-5·846	-2	...	...	861	+32·589	-58·305	-5	m	...	†	+40·814	+39·890	-5	m	...
...	25·315	-44·024	0·65	...	...	*	32·802	+21·373	1·10	46·8377	9·9	...	40·822	-21·669	0·70	...	...
...	25·345	+12·375	-5	m	...	*	32·852	-11·242	1·00	47·8029	10·0	...	40·992	-35·429	-2	a	...
...	25·664	-44·401	-2	...	...	...	33·157	+0·996	-3	...	...	...	41·071	-39·189	-5	e	...
...	25·678	-14·795	-5	m	...	...	33·269	-55·828	-5	m	...	...	41·257	-17·502	-5	m	...
...	+25·744	-43·155	-4	...	...	*	+33·270	+2·751	-3	...	...	...	+41·302	+48·880	0·80	...	...
...	25·831	+15·426	-5	...	...	*	33·347	-0·968	1·00	46·8378	10·0	...	41·538	-13·641	-5	m	...
...	25·838	-0·735	-4	...	...	*	33·507	-38·757	-3	...	...	...	41·630	+19·405	-5	m	...
...	25·888	+46·184	-5	m	...	*	33·580	+57·940	1·00	45·8300	9·9	*	41·717	-7·104	1·05	47·8034	9·6
...	25·945	+51·326	-4	...	...	*	34·237	+58·899	1·50	45·8301	9·1	*	41·817	+0·009	1·00	46·8387	9·6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
931-990																		
93 ¹	+41.843	+47.951	-5	o	m	...	99 ¹	+48.023	-36.020	1.00	47.8043	9.5	105 ¹	+54.925	+43.555	-4	o	...
S *	41.945	-52.693	2.00	47.8036	8.4	...	48.221	-39.064	-5	e	...	...	55.058	-0.194	-5	m	...
...	42.017	-43.594	-4	e	...	...	48.253	-3.711	0.65	...	...	...	55.231	+32.370	-4	e	...
...	42.057	+40.741	-2	a	...	...	48.346	+41.030	0.95	...	...	...	55.267	-27.416	-5	e	...
*	42.074	-43.113	1.60	47.8035	8.9	†	48.574	-21.345	-5	m	...	...	55.319	+6.117	-5	m	...
...	+42.188	+31.160	-5	m	...	...	+48.751	+6.806	-5	m	...	*	+55.374	+53.460	1.15	46.8396	9.8
...	42.294	+14.510	-1	...	...	...	48.883	+35.714	-3	...	...	...	55.382	+40.587	0.80	...	...
...	42.325	+8.954	-4	...	...	...	48.979	-4.513	0.65	...	...	...	55.461	-36.215	-3	e	...
...	42.556	-45.346	-5	m	...	...	48.988	+26.766	-4	...	...	...	55.573	-56.284	-5	e	...
...	42.777	+5.905	-2	...	...	...	49.059	-34.279	-1	...	...	*	55.628	+3.447	0.90	...	...
94 ¹	1001					1061					1071					1051-1093		
...	+43.041	+55.084	-5	m	...	...	+49.081	-24.180	0.70	...	...	...	+55.897	+48.934	-5	e	...
...	43.111	-39.061	0.90	47.8037	10.0	...	49.294	-43.705	-4	e	...	...	55.897	+16.224	0.75	...	...
...	43.153	-33.866	0.90	...	...	...	49.383	-32.241	-5	e	...	...	56.318	-3.868	-5	e	...
...	43.258	-28.031	-4	e	...	...	49.421	-3.863	-5	m	...	...	56.411	+5.925	0.75	...	...
...	43.295	+59.650	-5	...	...	...	49.439	-4.687	0.70	...	...	...	56.471	-29.700	-5	e	...
...	+43.447	-53.775	-4	e	...	...	+49.851	-3.456	0.70	...	...	...	+56.485	+32.976	0.90	...	...
...	43.529	-47.417	-5	m	...	...	50.116	-9.612	-5	e	...	*	56.541	+43.608	1.80	46.8397	9.0
...	43.555	-1.091	0.70	...	...	...	50.126	-30.063	0.75	...	...	...	56.652	+2.867	-5	e	...
...	43.613	-45.198	-4	...	...	...	50.139	-3.863	-3	...	...	...	56.880	-38.551	-3	e	...
...	43.671	+55.535	-4	...	...	...	50.281	-40.695	-4	e	...	...	56.895	-58.275	-5	e	...
95 ¹	1011					1071					1081					1051-1093		
*	+43.862	-12.870	1.05	46.8388	9.5	...	+50.308	-32.672	-3	e	...	*	+56.934	-49.397	1.60	47.8052	8.8	
...	43.966	-14.571	-4	...	...	...	50.353	-10.299	-5	e	...	...	57.007	-55.080	-3	...	...
...	43.979	+24.370	0.70	...	*	...	50.366	+14.324	2.50	46.8393	8.2	...	57.444	+52.388	-4	...	...
*	44.068	+58.736	1.80	45.8311	9.0	...	50.485	+8.903	-5	e	...	...	57.475	+44.423	0.75	...	...
*	44.151	-34.876	1.00	47.8038	9.9	...	50.583	+5.231	0.70	...	...	...	57.869	-32.727	-5	m	...
...	+44.163	-17.962	-3	...	...	...	+50.603	+50.724	-3	...	...	...	+58.119	+33.287	-5	m	...
...	44.166	+41.934	1.00	...	*	...	50.609	-6.775	1.15	47.8045	9.8	*	58.208	+26.622	1.20	46.8398	9.8	
...	44.191	-28.313	-4	e	...	...	50.725	+7.521	-5	e	...	†	58.322	+9.871	-5	e	...
...	44.208	+40.475	-4	e	...	...	50.801	-40.718	-4	e	...	...	58.405	-18.362	-3	e	...
...	44.486	+40.595	-5	...	...	...	50.922	-49.659	-5	e	...	*	58.566	+7.256	1.10	46.8399	9.6
96 ¹	1021					1081					1091					1051-1093		
*	+44.550	-34.558	-2	...	*	...	+50.966	-3.856	1.20	47.8046	9.6	...	+58.597	+12.741	-4	...	...
*	44.705	-7.652	0.90	47.8040	10.0	*	51.111	-53.275	1.20	47.8048	9.8	...	58.697	+18.916	0.70	...	...
...	44.829	+0.940	0.85	...	*	...	51.135	-42.503	1.50	47.8047	8.9	...	58.739	+28.376	-4	...	...
...	44.973	-19.544	-4	...	...	...	51.726	+28.376	-5	e	...	...	58.784	+16.702	-4	...	...
...	45.154	+5.417	-3	e	...	...	51.757	-56.168	-3	e	...	*	58.895	+23.387	1.40	46.8400	9.4
*	+45.201	-10.829	1.00	47.8041	9.4	...	+51.818	+7.705	-4	m	...	...	+58.930	-4.336	-4	e	...
...	45.383	+24.035	0.75	...	...	...	51.894	+7.663	-5	m	...	...	58.967	+36.524	-4	...	...
...	45.411	-53.855	-5	e	...	...	51.911	-38.135	0.70	...	...	...	59.208	+17.477	0.70	...	...
...	45.503	-54.390	-4	e	...	...	51.949	+22.088	-2	...	...	...	59.358	+3.523	-5	e	...
...	45.552	+26.579	1.80	46.8389	9.0	...	52.044	-2.134	-5	m	...	...	59.415	+16.334	-5	e	...
97 ¹	1031					1091					1081					1051-1093		
...	+45.766	+0.652	-5	e	...	*	+52.174	-1.091	1.05	46.8394	10.0	...	+59.430	-47.048	1.10	47.8054	10.0	
...	45.798	-54.065	-5	m	...	...	52.185	-31.760	-3	e	...	...	59.437	-57.418	-4	e	...
...	45.914	+34.252	0.90	...	...	...	52.442	+3.040	0.70	...	...	...	59.454	+54.488	-1	...	...
...	45.916	+22.467	-3	...	...	...	52.598	-1.271	0.75	...	...	...			
*	46.025	-26.193	1.00	47.8042	10.0	...	52.704	-31.860	-3	...	...	...			
...	+46.145	-55.466	-4	e	...	...	+52.810	-59.598	-3	...	...	...			
...	46.586	-24.836	-5	m	...	...	52.837	-42.245	-5	e	...	...				
...	46.728	-1.172	-5	m	...	†	53.406	+24.886	-4	...	...	...			
*	46.924	+37.740	1.00	46.8390	9.9	...	53.461	-9.361	-4	e	...	...				
...	46.930	-49.638	-5	e	...	...	53.570	+26.854	3.60	46.8395	7.2	...					
98 ¹	1041					1081					1091					1051-1093		
...	+47.038	-47.392	-5	e	...	...	+53.633	-59.801	-4	...	...	...	...	...	...	...	...
...	47.157	+51.996	-5	e	...	...	53.888	+26.356	-5	e	...	...	...	...	...	...	...
*	47.286	+7.651	3.00	46.8391	8.2	...	54.000	+41.961	-5	e	...	...	...	...	...	...	...
...	47.388	+3.238	-5	m	...	...	54.008	-1.435	-4	e	...	...	...	...	...	...	...
...	47.567	+36.717	-5	e	...	...	54.093	-34.960	1.60	47.8049	8.4	...	...	...	...	...	...
...	+47.663	-36.151	-4	m	...	...	+54.241	+5.587	-1	...	...	...	...	...	...	...	...
*	47.677	+38.591	1.00	46.8392	9.9	...	54.769	+36.321	-4	...	...	...	...	...	...	...	...
...	47.719	-8.380	-5	e	...	...	54.784	+4.063	-5	m	...	...	...	...	...	...	...
*	47.919	-49.623	1.00	47.8044	10.0	...	54.826	-58.541	-1	...	...	...	...	...	...	...	...
...	48.010	-18.091	-2	...	...	*	54.870	-26.873	1.05	47.8050	10.0	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
1-60																			
I	-60·026	-39·488	-5	°E	...	61	-52·491	-24·230	0·75	...	...	121	-46·565	+52·554	-4	°	...
...	59·762	+ 5·635	0·70	...	...	...	52·403	- 3·489	0·70	...	...	...	46·424	+ 53·790	- 5	M	...
...	59·505	+41·685	0·95	...	...	*	52·397	+14·299	3·30	46·8393	8·2	...	46·292	+ 44·596	0·95	...	...
...	59·411	+40·223	-5	E	...	...	52·185	-34·314	-2	...	...	...	46·194	- 27·250	-5	E	...
...	59·151	+40·360	-5	...	...	...	52·129	+ 8·883	-5	E	...	...	46·118	+ 6·096	0·70	...	...
...	-59·149	+24·136	0·70	...	...	...	52·084	- 3·888	-2	...	...	...	-45·913	- 3·707	-5	E	...
...	58·932	-43·753	-5	E	...	...	52·075	-21·369	0·80	...	...	...	45·793	+ 3·052	-4	E	...
*	58·882	+12·638	1·20	46·8388	9·5	...	51·927	-32·268	-5	E	...	...	45·735	- 36·050	-3	E	...
*	58·867	-43·377	2·00	47·8035	8·9	...	51·918	+ 5·222	0·80	...	...	...	45·638	- 58·387	-1	...	...
...	58·771	- 1·334	0·70	...	...	...	51·918	- 9·639	-5	E	...	...	45·303	+ 33·493	-4	M	...
II	-58·672	-52·953	2·15	47·8036	8·4	71	-51·859	+ 7·517	-5	E	...	131	-44·992	- 56·094	-4	E	...		
S *	58·271	+25·867	-5	M	...	...	51·683	-10·312	-5	E	...	...	44·983	+ 26·838	1·10	46·8398	9·8
...	58·217	-32·634	-5	M	...	...	51·645	-43·730	-4	E	...	...	44·917	- 29·512	-5	E	...
...	58·185	-28·263	-5	E	...	...	51·521	+28·379	-4	E	...	...	44·633	+ 54·712	0·65	...	...
...	58·101	-34·099	0·90	...	...	*	51·510	- 6·782	1·00	47·8045	9·8	...	44·547	+ 36·746	-3	...	...
...	-57·976	-39·290	0·90	47·8037	10·0	...	51·431	-41·656	-5	M	...	...	-44·526	+ 28·599	-4	...	...
...	57·899	-14·789	0·70	...	...	...	51·263	-30·062	0·80	...	...	...	44·333	+ 10·101	-5	E	...
...	57·738	+23·841	0·80	...	...	*	51·246	- 3·865	1·20	47·8046	9·6	...	44·263	+ 19·140	-2	...	...
*	57·630	+26·383	1·60	46·8389	9·0	...	51·101	+22·102	0·70	...	...	...	44·241	- 38·338	-4	E	...
...	57·600	-18·158	0·70	...	...	...	50·996	-32·675	-2	E	...	...	44·202	+ 23·632	1·20	46·8400	9·4
21	-57·541	+ 0·739	0·85	...	...	...	-50·754	-40·685	-5	E	...	141	-44·161	+ 12·969	-4	...	...
*	57·521	+34·066	0·95	...	...	...	50·719	-32·231	-5	M	...	...	44·096	+ 16·927	-4	...	...
*	57·393	-7·842	1·00	47·8040	10·0	†	50·236	-40·693	-5	E	...	...	44·012	+ 7·493	1·05	46·8399	9·6
...	57·361	+ 5·221	-2	E	...	†	50·144	- 1·055	0·95	46·8394	10·0	...	43·835	- 49·161	1·50	47·8052	8·8		
...	57·277	-45·389	-4	...	...	...	50·002	+ 3·076	-1	...	...	...	43·704	+ 17·729	0·65	...	...
...	-57·245	-28·518	-4	E	...	...	-49·843	-49·625	-5	E	...	...	-43·585	- 58·050	-5	E	...
...	57·172	-53·975	-4	E	...	*	49·842	-42·470	1·50	47·8047	8·9	...	43·574	+ 44·384	1·10	46·8401	9·9		
...	57·149	+22·287	-4	...	...	†	49·740	+24·950	-4	...	...	...	43·571	- 54·843	-3	...	...
*	57·076	-35·075	1·05	47·8038	9·9	...	49·730	+34·001	-5	M	...	...	43·467	+ 16·586	-4	E	...
...	56·852	+51·839	-5	E	...	...	49·704	- 1·222	0·70	...	...	...	43·369	- 18·108	-4	E	...
31	*	-56·792	-11·003	1·15	47·8041	9·4	...	49·673	+42·021	-4	E	...	151	-43·292	- 4·086	-4	E	...	
...	56·751	-19·724	0·70	...	...	...	49·612	+26·914	3·60	46·8395	7·2	...	43·143	+ 27·451	-5	M	...
...	56·673	-34·735	0·75	...	...	*	49·529	-53·233	1·20	47·8048	9·8	...	43·106	+ 3·783	-5	E	...
*	56·626	+37·589	1·00	46·8390	9·9	...	49·339	-12·035	-5	M	...	...	43·008	+ 9·036	-5	M	...
...	56·596	+ 0·479	-5	E	...	...	49·291	+26·429	-5	E	...	...	42·933	+ 48·393	-1	...	...
...	-55·954	+36·567	-5	E	...	...	-49·221	-38·082	0·70	...	...	...	42·910	+ 34·508	-4	M	...
...	55·876	+38·461	1·00	46·8392	9·9	...	49·152	-31·697	-4	E	...	...	42·787	+ 52·545	0·75	...	...
*	55·486	-26·338	1·00	47·8042	10·0	...	48·822	+43·647	-4	...	...	...	42·387	+ 19·990	-2	...	...
...	55·378	-41·015	-5	E	...	...	48·784	-56·112	-3	E	...	...	42·387	+ 6·473	-5	M	...
...	55·301	+40·914	0·95	...	...	...	48·740	+36·411	-3	...	...	...	42·361	+ 16·489	-5	M	...
41	*	-55·294	+ 7·525	3·00	46·8391	8·2	*	-48·668	+53·571	1·15	46·8396	9·8	...	161	-42·258	- 14·963	-4
†	55·102	-54·544	-5	E	...	...	48·621	-31·787	-3	...	...	...	42·157	+ 57·501	-5	M	...
...	54·601	+35·618	-4	...	...	...	48·583	- 9·286	-4	E	...	...	42·019	- 16·489	0·85	...	...
...	54·428	-55·587	-4	E	...	...	48·496	+23·791	-5	M	...	...	41·895	- 10·940	-5	...	...
...	54·363	-8·485	-5	E	...	...	48·293	+ 5·683	0·80	...	...	...	41·551	+ 18·034	0·80	...	...
...	-54·204	+26·687	-3	...	...	...	-48·285	- 1·333	-5	E	...	...	-41·496	- 8·104	-1	...	...
...	53·974	-3·794	0·65	...	...	...	48·259	+40·695	0·90	...	...	...	41·427	- 46·735	1·00	47·8054	10·0
...	53·938	-19·882	-5	M	...	...	48·160	+32·484	-4	E	...	...	41·391	- 38·915	-3	A	...
...	53·822	-49·736	-5	E	...	...	48·146	-42·155	-5	E	...	...	41·363	- 0·945	0·75	46·8402	10·0
...	53·793	-47·492	-5	E	...	...	48·008	+49·052	-5	E	...	...	41·327	- 43·706	0·85	...	...
51	*	-53·749	-18·170	-2	...	...	-47·635	-59·509	-1	...	...	171	-41·207	+ 28·973	-4	...	...
...	53·590	+29·661	-5	M	...	*	47·184	+43·762	1·50	46·8397	9·0	...	41·070	- 57·103	-4	E	...		
...	53·517	-36·232	-4	M	...	S *	47·119	-34·846	2·00	47·8049	8·4	*	40·974	+ 2·954	1·80	46·8403	8·9		
...	53·361	+50·674	-4	...	...	...	46·970	+16·377	0·75	...	...	...	40·967	+ 0·821	-5	M	...
*	53·222	-4·577	0·80	...	...	...	46·922	+33·130	0·95	...	...	...	40·956	+ 58·589	1·20	45·8329	10·0
...	-53·160	-36·085	1·10	47·8043	9·5	...	-46·920	-59·420	-5	M	...	...	-40·793	+ 17·919	-5	M	...
...	52·866	-39·137	-5	E	...	...	46·888	-28·175	-5	M	...	...	40·606	+ 3·483	-3	...	...
*	52·840	-49·697	1·00	47·8044	10·0	...	46·827	+ 3·597	0·80	...	...	...	40·577	+ 17·609	-5	M	...
...	52·809	+21·776	-5	M	...	...	46·805	-59·680	-3	...	...	...	40·420	- 6·737	0·70	...	...
...	52·752	-4·735	0·90	...	...	*	46·597	-26·727	1·00	47·8050	10·0	...	40·331	+ 3·300	-5	...	...

L measured from 1, 182, 383, 617, 831, 1069.
C " , 85, 270, 499, 723, 953, 1204.

92. Remeasure 1915, $y = 26' 924$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
181-240																			
181	-40°328	-44°387	-5	M	...	241	-33°414	+28°879	0°85	...	...	301	-28°212	-24°923	-5	M	...
...	39°674	-37°074	1°00	47.8055	10°0	...	33°393	+7°501	-5	...	...	...	28°087	-22°893	-4	...	...
...	39°559	-9°899	-4	M	...	...	33°331	-2°442	-4	...	...	...	28°007	+15°555	-4	...	...
...	39°462	-16°628	0°70	...	...	*	33°266	-54°446	1°00	...	...	...	27°911	-21°887	-3	...	...
*	39°456	+14°107	1°40	46.8404	9°3	...	33°246	+38°769	-4	...	...	*	27°882	-3°011	1°20	47.8068	9°4
...	-38°856	+3°111	-2	...	...	...	-32°861	+25°725	0°85	...	...	*	-27°798	+49°437	1°00	46.8415	10°0
...	38°848	+44°228	0°90	...	...	...	32°758	+51°731	-5	M	...	...	27°749	+23°703	--2	...	...
...	38°846	+59°555	1°00	45.8332	10°0	...	32°587	-50°210	0°80	...	...	*	27°705	-9°311	1°40	47.8069	9°0
...	38°717	+5°857	-5	M	...	...	32°525	+2°788	-2	...	...	...	27°593	+3°126	-5	M	...
+	38°705	+34°828	1°40	46.8405	9°0	...	32°302	+4°343	--2	...	...	...	27°505	-1°800	-5	M	...
191	-38°406	+4°830	-5	M	...	251	-32°206	+26°659	0°70	...	...	311	-27°495	+39°558	-3	...	...
...	38°400	+6°397	-5	M	...	*	32°166	-52°435	1°00	47.8060	10°0	+	27°460	-25°052	-4	...	...
...	38°387	+7°075	-5	M	...	...	32°103	+35°993	-4	...	...	...	27°444	+34°605	0°80	...	...
...	38°210	+9°801	0°70	...	...	...	32°091	-33°161	-4	M	...	...	27°238	+6°156	-3	...	...
...	38°061	+1°275	-4	...	...	...	31°989	-0°335	-3	α	...	...	26°995	+33°309	-3	...	...
...	-37°925	+42°343	0°90	46.8407	9°8	...	-31°950	+57°305	-3	...	...	...	-26°967	-59°617	-4	M	...
...	37°805	+12°177	0°90	46.8406	10°0	...	31°626	-46°776	0°80	...	...	...	26°950	-39°366	-2	...	...
...	37°666	-10°468	0°70	...	...	...	31°433	+32°801	-5	M	...	...	26°766	-59°678	-4	M	...
...	37°663	+42°453	-2	...	...	...	31°422	-21°198	-5	M	...	...	26°360	-13°784	-3	...	...
*	37°608	-14°318	1°25	47.8056	9°4	*	31°373	-8°174	1°00	47.8061	9°5	...	26°289	+26°707	-5	M	...		
201	-37°511	-14°523	-3	A	...	261	-31°295	-35°896	-3	A	...	321	S *	-26°232	+5°797	4°50	46.8416	7°5	
...	37°281	+29°965	0°70	...	...	...	31°247	-43°091	-4	M	...	...	26°197	+39°538	-5	M	...
...	37°277	-18°710	-3	...	...	...	31°035	+2°639	-5	...	...	...	26°186	-48°420	-5	M	...
...	37°265	-25°484	0°65	...	...	...	30°834	+10°983	-5	M	...	...	26°105	+18°533	-4	...	...
...	37°124	+12°291	0°85	46.8408	10°0	...	30°597	-25°562	0°80	...	...	+	25°731	+39°796	-4	M	...
...	-37°083	+30°009	0°70	...	...	...	-30°543	+7°595	-3	...	...	...	-25°688	+47°146	-5	M	...
...	36°886	+57°986	-4	M	...	...	30°283	-17°115	-5	...	...	...	25°657	-43°081	-5	M	...
...	36°782	-16°863	0°80	...	...	S *	30°229	-7°944	3°00	47.8062	7°8	*	25°521	-41°522	1°15	47.8071	9°8
*	36°729	-53°073	1°00	47.8057	10°0	†	30°224	+7°225	0°75	...	...	...	25°474	+27°753	0°70	...	...
...	36°542	+30°285	0°75	...	...	...	30°116	+2°448	-4	...	...	...	25°425	+40°480	-2	...	...
211	-36°464	-9°079	-4	271	-30°023	-16°512	-5	331	*	-25°323	-28°535	1°20	47.8072	9°6	
...	36°461	+47°089	0°90	...	...	*	29°994	+35°271	2°00	46.8413	8°6	...	25°304	+55°209	-1	...	...
...	36°337	-25°331	-4	M	...	*	29°846	-3°628	1°25	47.8063	9°4	...	25°297	+2°907	0°85	46.8417	10°0		
...	36°185	-56°678	0°70	...	...	...	29°807	-14°929	-4	...	...	†	25°189	-32°751	-5	...	...
...	36°172	-44°380	0°65	...	...	...	29°791	-52°416	0°75	...	...	...	24°902	-58°504	-3	A	...
...	-36°145	+32°657	-5	M	...	...	-29°741	-35°232	-3	...	...	...	-24°843	-46°389	0°65	...	...
...	35°954	-19°758	0°70	...	...	...	29°614	-58°581	-5	M	...	...	24°784	-5°609	-5	M	...
*	35°894	+7°043	0°95	46.8409	10°0	...	29°601	+45°614	-4	...	...	...	24°753	-11°502	-5	...	...
...	35°827	+31°891	-5	M	...	...	29°600	+2°565	-4	...	...	...	24°481	-39°627	-5	M	...
...	35°811	+11°319	0°85	...	...	...	29°513	-11°534	-4	...	...	...	24°410	-53°670	-5	M	...
221	*	-35°807	-5°539	1°10	47.8058	9°5	*	-29°497	+38°634	2°00	46.8414	8°5	...	341	-24°275	+19°791	0°90	46.8419	10°0
...	35°751	-41°686	0°65	...	...	...	29°457	+32°701	-5	M	...	*	24°247	+14°205	1°30	46.8418	9°4
...	35°642	-0°377	0°70	α	...	...	29°411	-58°002	-4	M	...	...	24°161	+18°095	-5	M	...
...	35°624	+20°061	-5	M	...	...	29°409	-37°896	0°70	...	...	*	24°160	+40°551	1°00	46.8420	10°0
...	35°552	-4°481	0°90	...	...	...	29°393	-34°365	-2	...	...	...	23°991	-21°097	0°75	...	...
S *	35°523	+0°653	0°95	...	...	...	-29°360	-33°509	--4	...	...	...	-23°941	-2°425	-3	...	...
S *	34°887	+51°091	1°20	46.8410	9°3	...	29°330	-31°622	-3	...	...	...	23°919	+2°355	-4	...	...
...	34°816	-39°239	0°70	...	...	...	29°291	-50°875	0°80	...	...	...	23°705	-55°401	-4	M	...
*	34°569	-42°781	-4	M	...	*	29°026	-18°452	1°10	47.8064	9°8	...	23°592	-1°150	0°85	...	...
*	34°537	+46°684	1°00	46.8411	9°8	...	28°902	+40°099	-4	M	...	...	23°480	+36°377	-5	M	...
231	...	-34°532	+23°879	0°65	...	291	-28°811	+18°144	-2	351	...	-23°475	+30°297	-5	M	...	
...	34°256	-22°044	-5	M	...	...	28°697	-41°384	-4	...	...	...	23°456	-54°653	-5	M	...
...	34°234	+44°204	-5	M	...	*	28°682	-11°326	0°95	47.8066	10°0	...	23°423	+3°979	-3	...	...
...	34°057	-44°487	-3	A	...	...	28°680	-30°134	-5	M	...	...	23°335	+58°512	-3	...	...
...	33°929	-7°523	-4	M	...	...	28°645	-41°004	-4	M	...	...	23°138	-3°633	-5	M	...
*	-33°734	+17°700	1°30	46.8412	9°3	...	-28°543	+17°286	-4	...	...	...	-23°125	+54°075	-2	...	...
...	33°611	-0°856	-4	M	...	*	28°502	-12°815	1°00	47.8067	9°8	...	23°094	-2°170	-5	M	...		
*	33°611	-30°325	1°30	47.8059	9°1	...	28°355	+19°582	-2	...	...	...	23°079	-34°429	-5	M	...
...	33°579	-47°218	-5	M	...	...	28°283	-43°510	0°90	47.8065	10°0	...	23°039	-54°696	-4	M	...
...	33°499	-54°148	-5	M	...	...	28°263	-0°453	-5	M	...	...	22°618	-15°668	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	No.	Mag.		
361-420																		
361	-22.564	-15.811	-3	o	421	-16.687	-38.504	-3	o	...	481	-11.626	+42.261	-5	o M	...
...	22.489	-28.789	-1	*	16.524	-59.308	1.00	47.8080	9.9	*	11.525	+39.051	1.05	46.8427	9.5
...	22.440	-49.384	-2	...	...	...	16.464	+8.006	-3	...	...	...	11.399	-33.469	0.65	...	...
*	22.276	+4.062	1.35	46.8421	9.3	...	16.450	+6.036	0.90	...	...	...	11.377	-25.768	-4	...	...
...	22.175	-13.338	-5	M	...	...	16.363	-11.725	2.00	47.8081	9.1	...	11.359	+20.078	0.70	...	...
...	-21.882	+46.009	-5	M	...	...	-16.357	+44.370	0.75	...	...	...	-11.353	-52.209	-4	M	...
...	21.865	+45.187	-5	M	...	...	16.331	-33.477	-3	...	...	...	11.197	+56.642	3.00	46.8428	7.4
...	21.763	-7.010	-5	M	...	...	16.255	-23.684	-4	M	...	...	10.965	+42.540	-4	...	...
...	21.693	+28.277	-3	...	...	...	16.251	+45.070	-5	M	...	...	10.912	+52.112	-5	M	...
...	21.676	+27.713	-4	M	...	...	16.217	+59.287	-4	M	...	...	10.892	+2.688	-1	...	...
371	* -21.397	+7.256	1.20	46.8422	9.6	...	431	-16.207	-10.874	-5	491	-10.832	-14.975	-4
N*	[21.364	+23.309	4.80	46.8423	7.1	*	16.120	+21.018	1.00	46.8425	9.9	...	10.815	-30.133	0.80	...	...
...	21.341	+13.635	-5	M	...	...	15.863	+38.376	-2	...	...	...	10.787	+7.956	1.00	46.8429	10.0
...	21.312	+33.997	-4	...	...	†	15.817	-54.946	-5	M	...	...	10.577	+3.355	1.00	46.8430	10.0
...	21.234	-7.014	0.70	...	...	...	15.750	-46.118	-3	...	...	...	10.512	+47.265	-5	M	...
...	-21.150	-37.863	-3	...	...	...	-15.747	+34.314	-4	...	...	...	-10.468	+8.123	0.80	46.8431	10.0
...	21.136	+47.609	-3	...	...	...	15.629	+25.188	-5	M	...	...	10.346	-46.720	-4	...	...
...	20.818	-40.202	0.85	...	...	...	15.504	+31.601	-2	...	...	...	10.313	+10.254	-5	M	...
...	20.628	-8.536	1.00	47.8073	10.0	...	15.428	-17.970	-5	...	...	...	10.275	-51.312	-3	...	...
...	20.566	-51.656	0.85	...	...	...	15.412	-55.048	-5	M	...	...	10.206	-44.920	0.70	...	...
381	-20.487	-36.392	-5	M	441	-15.393	-22.047	-3	501	-10.068	-41.451	0.70
...	20.414	-37.679	-4	M	...	...	15.204	-42.443	0.75	...	...	...	9.930	+51.733	0.90	...	...
...	19.843	-35.277	-5	M	...	...	15.187	-25.879	-3	...	...	...	9.925	-36.524	-5	...	...
...	19.757	+45.960	0.70	...	...	...	15.179	-11.181	-5	...	...	...	9.878	-56.776	-4	...	...
*	19.648	-55.768	1.00	47.8074	9.6	...	15.129	-32.476	-5	M	...	...	9.870	+27.470	-5	...	...
...	-19.616	+17.820	-4	...	...	...	-14.917	-17.417	-5	M	...	...	-9.787	+13.587	-5	...	...
...	19.563	+12.509	1.00	46.8424	10.0	...	14.908	+32.285	-4	...	...	...	9.758	+19.875	-4	...	...
+	19.454	-49.938	1.00	47.8075	10.0	...	14.556	+49.050	-3	...	...	...	9.664	+44.969	-3	...	...
...	19.419	-59.686	-5	M	...	...	14.495	-52.901	-5	M	...	...	9.645	-35.205	-1	...	...
...	19.276	-30.633	-2	...	...	...	14.459	+40.854	-5	M	...	...	9.608	-43.476	-4	m	...
391	-19.151	+57.074	0.90	451	-14.336	-56.010	-3	511	-9.212	+56.516	0.75
...	19.137	+22.566	-5	M	...	...	14.331	-55.639	-4	M	...	...	9.206	+34.570	1.00	46.8432	10.0
...	19.107	-54.454	-5	M	...	...	14.265	-6.969	1.10	47.8082	9.6	...	9.183	-18.885	-5	m	...
...	19.081	+9.055	-5	...	...	...	14.234	+21.067	0.70	...	...	...	9.099	+45.930	0.95	46.8433	10.0
...	19.075	+57.622	0.80	...	...	...	14.152	-1.665	-3	...	...	...	9.082	-48.991	0.70	...	...
...	-19.026	-8.489	-5	...	...	...	-14.128	+10.874	-5	M	...	...	-9.081	-33.804	-4	m	...
...	18.756	-42.907	-5	M	...	...	14.109	+0.647	-3	...	...	...	9.045	+36.135	-5	M	...
...	18.593	-39.401	0.90	47.8076	10.0	...	13.806	+19.697	-5	...	...	...	8.917	+45.548	0.70	...	...
†	18.531	+54.742	-2	...	...	...	13.796	-26.076	0.90	...	...	...	8.911	+36.443	0.90	46.8434	10.0
...	18.409	+7.477	-1	...	...	...	13.536	+9.353	-2	...	...	...	8.513	-10.974	-5	M m	...
401	* -18.388	-12.880	1.50	47.8078	9.2	...	461	-13.523	-19.017	-4	521	-8.506	+32.513	-5
...	18.347	+25.510	-5	M	...	S *	13.471	-42.255	1.80	47.8083	9.0	...	8.375	+23.360	-5	m	...	
...	18.296	-32.207	-4	...	...	...	13.395	+45.152	0.75	...	...	...	8.225	-46.839	0.65	...	...
†	18.275	-0.011	-4	M	...	...	13.391	-26.809	0.80	...	...	...	8.141	+24.859	-4	...	...
*	18.116	-51.458	1.00	47.8077	9.6	...	13.317	-46.905	0.75	...	...	...	8.045	-31.293	-4	m	...
*	-18.101	-21.234	1.00	47.8079	9.8	...	-13.172	-27.017	-4	...	...	...	-8.020	+30.396	0.85	...	...
...	17.865	-51.760	-5	M	...	...	13.155	-23.350	0.80	...	...	...	7.895	+41.166	1.35	46.8436	9.2
...	17.851	-40.433	-2	...	...	...	13.043	-31.071	-4	...	...	...	7.894	-21.702	-5	m	...
...	17.819	-50.488	-4	M	...	...	12.988	-32.871	-4	...	...	...	7.829	+5.383	0.95	46.8435	9.9
...	17.785	+52.673	-2	...	...	*	12.914	-42.177	1.00	47.8084	9.8	*	7.437	+38.748	1.00	46.8437	10.0
411	-17.759	-59.180	-5	M	471	-12.862	+15.202	-4	531	-7.367	+41.419	0.70
...	17.753	-10.386	-3	...	...	...	12.643	+17.576	-5	...	...	...	7.364	-17.097	1.00	47.8086	10.0
†	17.650	-24.989	-2	...	...	...	12.613	+35.884	-5	M	...	...	7.304	-52.077	-5	M m	...
...	17.599	+46.199	-4	...	...	...	12.413	-24.080	-5	M	...	...	7.302	+42.980	0.90	...	...
...	17.517	-20.807	-2	...	...	...	12.200	-6.107	-4	...	...	...	7.292	+49.291	0.95	...	...
...	-17.419	+37.919	-5	M	...	...	-12.008	+15.685	-5	...	...	*	-7.188	-55.019	1.10	47.8085	9.8
...	17.328	+0.330	-5	M	...	...	12.003	+11.971	-3	...	...	...	6.948	+22.275	1.00	46.8438	9.9
†	17.163	-9.965	-5	M	...	...	11.874	+32.890	0.85	46.8426	10.0	...	6.498	-35.067	-3	...	...
...	17.046	-59.120	-5	M	...	...	11.855	-47.000	-4	...	...	...	6.497	+52.508	0.65	...	...
...	16.739	-0.544	-4	...	...	...	11.817	+53.172	-5	M	...	...	6.122	-2.301	0.85	47.8087	10.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
541-600																		
541	- 6.009	- 1.749	- 5	M m	...	601	- 1.316	+ 58.648	- 5	o	661	+ 4.483	- 48.978	- 5	M m	...
...	5.952	- 56.272	- 4	m	...	...	1.242	- 30.681	- 5	m	...	S *	4.513	+ 41.036	1.80	46.8449	8.6
...	5.917	+ 35.689	- 5	M m	...	*	1.172	- 59.601	1.35	47.8096	9.3	*	4.856	- 5.994	1.35	47.8106	9.1	
...	5.867	- 31.791	- 5	m	...	*	1.098	+ 44.705	1.15	46.8443	9.8	...	4.970	- 25.256	- 4	...	...
...	5.790	+ 27.042	- 5	m	...	...	0.980	+ 32.925	- 3	...	...	...	4.987	+ 29.503	- 4	...	...
...	- 5.765	- 49.767	- 1	m	0.929	+ 25.543	- 5	m	+	5.013	+ 39.918	0.75
...	5.590	- 56.626	0.90	...	...	...	0.907	+ 11.632	- 2	...	...	...	5.042	- 50.538	- 3	...	...
...	5.451	- 49.837	- 5	M m	...	*	0.831	- 52.336	1.00	47.8098	10.0	...	5.253	- 2.939	- 4	M m	...	
...	5.402	- 35.864	0.75	47.8088	10.0	...	0.802	+ 29.119	0.95	46.8444	10.0	...	5.558	- 29.584	- 4	m	...	
...	5.389	- 40.369	- 5	M m	...	...	0.639	- 47.312	- 5	m	...	...	5.633	- 36.242	- 5	M m	...
551	- 5.372	+ 29.434	- 4	m	...	*	- 0.561	- 30.080	1.20	47.8099	9.6	...	+	5.645	- 37.862	- 5	m	...
†	5.200	- 7.427	- 2	...	...	*	0.540	+ 56.408	1.50	46.8445	9.0	*	5.653	+ 54.643	1.00	46.8450	9.9
†	5.183	+ 48.789	0.70	...	...	...	0.509	+ 16.053	- 2	...	...	...	5.681	- 7.075	- 4	...	...
...	5.158	+ 23.402	0.80	...	...	...	0.445	- 10.428	- 5	...	...	...	5.682	+ 7.496	- 4	...	...
...	5.071	+ 54.209	- 3	...	...	...	0.394	- 34.760	- 3	...	...	...	5.852	+ 19.113	- 5	M m	...
...	- 5.040	+ 50.468	0.90	*	- 0.392	+ 34.747	1.40	46.8446	9.1	...	+	5.933	- 24.803	- 4
*	4.972	- 42.985	1.20	47.8089	9.6	...	0.149	+ 47.541	- 4	...	...	...	6.310	+ 39.074	0.90	46.8451	10.0
...	4.960	+ 39.660	- 3	...	...	...	- 0.115	- 24.194	- 4	...	...	...	6.357	+ 27.610	0.65	...	...
...	4.908	- 11.303	- 5	m	...	...	0.022	+ 41.297	- 4	...	...	...	6.367	+ 39.794	0.70	...	...
...	4.841	- 41.989	0.75	...	...	...	0.043	- 13.786	- 4	...	...	...	6.470	- 59.512	0.90	...	...
561	* - 4.841	+ 56.020	2.20	46.8439	8.4	...	+	0.375	+ 38.386	- 4	+	6.484	+ 50.144	0.85
...	4.787	- 48.070	- 4	M m	...	†	0.664	- 9.997	- 4	...	...	...	6.552	- 52.042	- 4	m	...
...	4.739	- 14.209	- 4	m	...	...	0.759	- 6.908	1.00	47.8100	10.0	...	6.685	+ 9.535	- 4	...	...
...	4.667	- 48.431	- 5	M m	...	...	0.826	+ 27.903	- 2	...	...	...	6.778	+ 34.608	- 4	...	...
...	4.622	- 19.759	- 5	m	...	...	1.333	+ 51.761	- 5	M m	...	...	6.801	+ 23.069	0.90	...	...
...	- 4.538	- 28.063	0.75	47.8090	10.0	...	+	1.401	+ 10.911	- 5	m	...	*	6.832	- 4.856	1.25	47.8107	9.3
...	4.452	+ 32.526	- 5	m	...	...	1.513	- 12.577	1.00	47.8101	9.9	...	6.835	+ 43.438	- 5	m	...
...	4.411	- 5.359	- 1	...	...	...	1.595	- 49.404	- 5	m	...	...	6.838	- 48.469	- 5	M m	...
*	4.352	+ 37.018	1.20	46.8440	9.6	...	1.785	+ 12.648	- 5	M m	...	...	6.894	- 6.931	- 5	M m	...
...	4.189	- 40.764	- 5	M m	...	...	1.888	+ 51.109	- 4	...	...	...	7.005	+ 25.239	- 4	...	...
571	- 4.041	+ 42.918	0.75	46.8441	10.0	...	+	1.958	+ 55.213	- 5	691	- 7.010	+ 33.650	0.70
...	3.846	- 55.167	- 5	M m	...	...	2.006	+ 56.321	0.95	46.8447	10.0	...	7.060	+ 29.184	0.70	...	...
...	3.822	+ 32.546	- 2	...	...	...	2.012	- 51.284	0.90	47.8102	10.0	...	7.066	- 30.402	- 3	...	...
...	3.800	+ 52.577	- 4	...	...	...	2.080	- 51.065	- 5	m	...	...	7.235	- 42.341	- 4	m	...
*	3.668	- 46.970	1.00	47.8091	10.0	...	2.087	+ 52.119	- 4	...	...	...	7.299	+ 22.066	- 2	...	...
...	- 3.606	+ 53.897	0.75	...	...	...	2.168	+ 23.829	- 5	M m	...	...	7.365	- 55.680	0.90	...	...
...	3.304	+ 59.242	- 5	...	...	...	2.196	+ 58.849	0.90	...	...	...	7.452	+ 21.642	- 5	...	...
...	3.288	- 55.787	- 2	...	...	...	2.233	+ 13.283	- 5	M m	...	...	7.476	- 52.572	- 5	M m	...
...	3.249	+ 3.057	0.65	46.8442	10.0	...	2.241	- 47.232	- 5	M m	...	*	7.571	- 50.621	1.00	47.8108	9.9	
...	3.231	+ 20.843	- 5	M m	...	*	2.349	- 27.556	1.00	47.8103	9.9	...	7.607	+ 54.187	- 5	M m	...	
581	- 3.150	+ 5.977	- 5	*	2.563	- 45.709	0.70	701	+ 7.668	+ 53.278	- 5	M m	...
*	3.036	- 34.228	1.20	47.8092	9.6	...	2.631	- 49.455	- 4	m	...	...	7.740	+ 22.396	- 2	...	...
...	3.000	- 2.416	- 4	...	...	...	2.768	- 18.930	0.95	...	...	...	7.788	- 2.763	- 5	M m	...
*	2.949	- 7.757	1.20	47.8094	9.5	...	2.849	- 43.692	- 5	M m	...	...	7.923	- 43.523	- 5	M m	...
*	2.844	- 52.095	0.90	47.8093	10.0	...	2.976	- 30.481	- 5	...	...	...	7.999	- 43.621	- 5	M m	...
...	- 2.815	- 28.922	- 5	m	...	...	3.039	+ 35.432	- 5	M	...	...	8.091	- 32.821	- 4	m	...
...	2.806	- 4.608	0.90	47.8095	10.0	...	3.158	- 25.814	- 5	M m	...	...	8.094	- 49.437	- 5	M m	...
...	2.789	+ 42.961	- 5	M m	...	...	3.194	- 47.277	- 5	m	...	*	8.279	- 36.039	1.00	47.8109	10.0
...	2.726	- 16.272	- 5	M m	...	...	3.309	- 39.214	- 5	M m	...	...	8.440	- 53.406	- 5	M m	...
...	2.566	- 40.865	- 4	...	...	...	3.402	+ 28.097	- 5	M m	...	...	8.563	+ 36.753	- 5	...	...
591	- 2.486	- 50.776	- 5	M m	3.448	- 39.660	- 5	M m	711	+ 8.569	+ 36.798	- 5
...	2.455	+ 3.536	- 1	...	...	...	3.460	- 52.697	- 4	m	...	...	8.647	- 30.260	0.90	47.8110	10.0
...	2.282	+ 41.947	- 1	...	...	...	3.571	+ 18.937	0.70	...	...	...	8.675	+ 52.432	- 5	...	...
...	2.168	- 12.729	0.75	...	...	...	3.720	+ 41.883	- 3	...	...	...	8.678	- 54.246	- 5	M m	...
...	1.975	- 56.706	- 1	...	...	*	3.910	+ 28.911	1.05	46.8448	9.5	...	8.879	+ 46.076	- 4	...	...
...	- 1.851	- 42.582	- 3	*	3.922	- 28.522	- 5	M m	+	8.901	- 50.494	- 5	M m	...
...	1.791	+ 43.655	0.70	...	...	*	4.041	- 18.482	- 3	...	...	...	8.948	- 59.609	- 5	M m	...
...	1.664	+ 46.759	- 1	...	...	*	4.054	- 38.023	1.00	47.8104	9.9	...	9.017	+ 33.616	- 5	...	...
...	1.525	- 59.509	- 4	m	...	*	4.094	- 9.173	1.35	47.8105	9.4	*	9.097	- 44.840	1.25	47.8111	9.2	
...	1.324	- 8.223	c.90	47.8097	10.0	...	4.181	+ 46.266	- 5	M	...	...	9.425	+ 17.507	0.80	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
721-780						781-840						841-900						
721	+ 9·518	-30·251	0·90	47·8112	10·0	781	+15·589	+34·779	-3	...	...	841	+21·083	-38·218	-5	m	...
...	+ 9·532	+50·741	0·80	...	...	...	15·850	-18·780	-4	m	...	...	21·121	-40·327	-4	m	...
...	+ 9·824	-12·015	-5	...	...	...	15·869	-40·036	-5	m	...	*	21·181	-56·015	1·05	47·8122	9·8
*	+ 9·844	+38·659	0·95	46·8452	10·0	...	15·908	+29·098	-4	...	...	*	21·345	-56·806	1·00	47·8123	10·0
...	+ 9·926	+26·791	-5	...	...	...	15·934	-3·273	-5	m	...	...	21·383	+29·358	-3	...	...
*	+ 9·956	-7·884	1·80	47·8113	9·0	...	+16·018	+17·827	-5	m	...	...	+21·531	-43·289	-5	m	...
...	+ 10·059	-9·085	-5	m	...	...	16·091	-35·054	1·00	47·8119	9·8	...	21·545	+48·374	-5	...	...
...	+ 10·150	-43·008	-4	m	...	...	16·257	+48·569	0·70	...	...	...	21·691	+42·526	-4	...	...
...	+ 10·400	-14·717	-5	...	...	...	16·465	-34·975	0·70	...	...	...	21·712	+46·939	-4	...	...
...	+ 10·424	-28·987	-4	m	...	...	16·477	-55·637	-3	a	...	...	21·771	-39·578	-5	m	...
731	+10·503	-22·372	-3	...	...	791	+16·528	+8·769	-5	...	...	851	+21·842	+5·223	-5	m	...
...	+10·535	-25·107	-2	...	...	...	16·573	+1·988	-5	...	...	...	21·873	-40·109	-5	m	...
...	+10·702	-4·169	0·85	47·8114	10·0	...	16·806	+22·846	-4	...	...	...	21·988	-42·735	-2	...	...
...	+10·754	+53·022	-4	...	...	...	16·830	-52·205	-5	m	...	...	22·052	+46·335	0·70	...	...
...	+10·759	+47·938	-3	...	...	...	16·882	+34·232	-5	...	...	*	22·089	-18·032	1·30	47·8124	9·3
S *	+10·759	+47·083	-4	...	...	...	+17·039	+23·780	-5	...	...	...	+22·243	+26·990	-5	...	...
*	+10·811	-11·874	4·00	47·8115	7·7	N	[17·135	+16·140	-1	22·306	+23·703	-5	m	...
*	+10·835	+15·926	1·15	46·8453	9·5	...	17·281	-53·129	-5	m	...	*	22·392	-33·917	1·00	47·8125	9·8	
...	+10·866	-20·380	0·95	47·8116	10·0	...	17·496	-32·819	-5	m	...	...	22·474	-36·159	-5	m	...
...	+10·884	-45·126	-5	m	...	*	17·512	+19·125	1·10	46·8456	9·6	...	22·498	+31·831	-5	...	...
741	+10·952	+0·576	-2	...	...	801	+17·573	-20·943	-5	m	...	861	+22·532	+35·081	-5	...	...
...	+11·095	-43·991	0·80	...	...	...	17·625	+54·137	-5	...	...	...	22·665	+11·508	-4	...	...
...	+11·197	-4·735	-1	...	...	...	17·626	+26·487	-5	...	...	...	22·822	-21·465	0·80	...	...
...	+11·288	-59·156	0·70	...	...	...	17·683	+38·822	-3	...	...	...	22·926	-39·644	0·80	...	...
...	+11·328	+22·544	0·70	...	...	...	17·726	-43·438	-5	m	...	...	22·996	+33·174	-5	...	...
*	+11·604	-57·720	-5	m	...	...	+17·731	+22·685	0·85	46·8457	10·0	...	+23·178	+35·478	-5	m	...
S *	+11·633	+22·788	1·00	46·8454	9·8	...	17·841	-46·233	0·70	...	...	*	23·251	-47·664	1·30	47·8126	9·0
S *	+11·657	-49·700	2·00	47·8117	8·6	...	18·076	+0·242	-4	a	...	...	23·253	-42·031	-4	m	...
...	+11·742	+50·947	-5	...	...	...	18·124	-17·636	0·85	...	...	...	23·381	-38·519	-5	m	...
...	+12·098	+15·887	0·65	...	...	...	18·133	+32·578	-3	...	...	...	23·435	-16·175	-2	...	...
751	+12·142	-22·349	0·90	47·8118	10·0	811	+18·178	-40·565	-5	m	...	871	+23·520	+52·859	-5	...	...
...	+12·284	+38·341	0·70	...	...	...	18·262	+18·931	-5	...	...	...	23·594	-8·786	-4	...	...
...	+12·358	-40·160	-4	m	...	*	18·274	-53·202	0·95	47·8120	10·0	*	23·640	-17·165	2·10	47·8127	8·8	
...	+12·404	-43·625	-3	...	...	...	18·520	+0·303	-3	a	...	...	23·770	-32·453	0·75	47·8128	10·0
...	+12·415	-58·336	-5	m	...	...	18·563	-54·511	-5	m	...	...	23·995	-12·714	-4	...	...
...	+12·429	+47·171	-5	...	...	...	+18·792	-21·474	0·70	...	...	*	+24·164	+54·744	-5	...	...
...	+12·430	-50·689	-5	m	...	...	18·884	+18·641	-5	...	...	...	24·247	+42·637	-4	...	...
...	+12·436	-43·995	-4	m	...	...	18·901	+57·744	-4	...	...	...	24·256	-50·386	-5	m	...
...	+12·694	+43·744	0·85	...	...	...	18·987	-53·852	0·80	...	...	...	24·257	+53·374	-5	...	...
...	+12·924	+54·254	-4	...	...	...	19·013	-56·821	-3	a	...	*	24·264	-36·880	1·00	47·8129	9·6
761	+13·557	+51·096	-4	...	...	821	+19·058	-32·984	-3	...	...	881	+24·277	-20·546	-5	m	...
...	+13·580	+11·416	-5	...	...	...	19·104	-41·213	-4	m	...	...	24·278	+51·046	-5	...	...
...	+13·644	-46·740	-3	...	...	...	19·138	-31·063	0·70	...	...	...	24·433	-8·814	-2	...	...
...	+13·655	-26·874	-5	m	...	*	19·149	-1·273	2·00	46·8458	8·6	...	24·487	+52·881	-3	...	...
...	+13·674	-1·209	0·85	...	...	...	19·153	-31·998	-4	m	...	*	24·593	-23·674	-5	m	...
...	+13·948	-17·758	-3	...	...	...	+19·172	-7·029	0·95	47·8121	10·0	...	+24·605	+49·564	-5	...	...
...	+14·055	+0·231	0·85	a	...	...	19·183	-42·517	-4	m	...	*	24·651	-7·134	-2	...	...
...	+14·098	-47·345	-5	m	...	...	19·395	+47·112	0·75	...	...	...	24·681	-21·650	-5	m	...
...	+14·118	+22·988	0·70	...	...	...	19·500	-19·721	-3	...	...	*	24·878	+37·757	1·00	46·8460	9·4
...	+14·123	+8·969	0·70	...	...	...	19·521	+7·044	-5	m	...	...	24·949	+11·287	-5	...	...
771	+14·454	+41·511	-5	...	...	831	+19·847	+16·288	0·95	46·8459	9·8	...	+25·140	-16·395	-5	m	...
...	+14·543	+33·729	0·65	...	...	*	19·911	-49·987	-5	m	...	...	25·213	+21·529	0·85	46·8461	10·0
+	+14·604	-36·808	-5	m	...	...	19·921	-36·598	-5	m	...	...	25·258	+0·455	0·95	46·8462	10·0
+	+14·907	+34·820	-4	...	...	...	20·009	-7·576	-2	...	...	*	25·286	+4·849	1·00	46·8463	9·6
...	+14·909	+54·647	0·95	46·8455	10·0	...	20·077	+57·636	-3	...	...	...	25·322	+53·971	0·90	...	...
...	+14·948	-19·560	-4	...	...	...	+20·562	-12·910	0·80	...	...	...	+25·386	+36·617	-5	m	...
...	+14·977	-22·261	-4	...	...	...	20·756	-24·290	-4	m	...	...	25·391	+15·725	-4	...	...
...	+15·111	+22·302	0·90	...	...	...	20·821	-59·215	-4	m	...	...	25·449	-43·353	-5	m	...
...	+15·153	-30·764	0·70	...	...	...	20·864	+57·658	-3	...	...	...	25·451	-37·610	0·70	...	...
+	+15·548	-49·947	-3	a	...	...	20·984	+33·421	-2	...	...	...	25·514	+42·695	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
901-960																	
901	+25°51'4	-1°524	0°95	46.8464	10°0	961	+30°477	-0°695	-5	°m	...	1021	+35°141	+20°277	-5	...	...
...	25°51'5	+46°061	-5	...	...	*	30°603	-42°473	1°25	47.8135	9°6	...	35°323	+45°175	-5	...	...
...	25°62'9	+43°917	-5	...	...	...	30°683	+53°967	-4	...	...	...	35°782	-52°119	0°85	...	...
...	25°72'3	-26°990	0°65	...	...	...	30°772	+57°557	-5	...	...	...	35°980	-46°406	1°00	47.8140	9°9
...	25°75'7	+2°826	-5	...	...	...	30°832	+40°190	-3	...	...	...	36°032	+1°751	-5	m	...
...	+25°81'6	+24°080	-4	...	...	...	+30°921	-55°995	-1	...	...	...	+36°103	-37°742	-5	m	...
...	26°03'8	+5°314	-5	...	...	...	30°948	-27°959	-4	m	...	...	36°145	-27°997	0°70	...	...
...	26°07'1	+58°830	-5	...	...	...	30°964	+12°734	-5	...	...	...	36°254	+28°759	-2	...	...
...	26°19'1	-54°429	-2	...	...	...	31°180	+43°796	0°90	46.8468	10°0	...	36°286	-18°132	0°95	47.8141	10°0
...	26°21'1	-42°661	-3	a	...	...	31°215	-39°155	-3	a	...	...	36°330	-47°673	-5	m	...
911	+26°496	-2°004	-5	m	...	971	+31°401	-23°647	-4	m	...	1031	*+36°362	-27°764	0°85	...	...
*	26°551	-15°714	1°00	47.8130	9°6	...	31°441	-16°253	0°70	...	...	S*	36°373	+46°514	2°90	46.8474	7°8
...	26°593	+57°125	-5	...	...	...	31°465	+51°866	0°90	46.8469	10°0	...	36°531	+47°554	-5	...	...
...	26°614	+23°867	-5	m	...	...	31°480	+45°661	-5	m	...	...	36°601	-47°298	-1	...	...
...	26°655	+10°242	0°70	...	...	...	31°657	+1°687	0°80	...	...	...	36°850	+3°444	-2	...	...
...	+26°675	+14°764	-5	...	...	...	+31°713	-48°209	0°75	...	...	...	+36°992	+17°973	-5	...	...
†	26°852	+4°848	-4	...	...	...	31°961	-57°165	-5	m	...	...	37°057	+15°466	1°00	46.8475	9°9
...	26°942	-5°713	-2	...	...	...	32°054	+32°610	0°80	...	...	...	37°164	-15°311	-4	m	...
...	27°079	-40°665	-5	m	...	...	32°093	-25°629	-4	m	...	...	37°230	-25°492	-5	m	...
...	27°084	-45°783	-5	m	...	...	32°171	+51°777	0°80	...	...	...	37°388	+30°402	0°70	...	...
921	+27°177	-30°840	-2	a	...	981	+32°175	-7°797	-4	...	...	1041	+37°458	-45°774	-3	b	...
*	27°231	-53°410	1°00	47.8132	9°6	...	32°252	-59°603	-5	m	...	...	37°467	+17°737	-1	...	...
...	27°308	-53°011	0°95	47.8133	9°8	†	32°271	+14°819	-5	...	...	...	37°521	-10°285	1°80	47.8142	8°9
...	27°316	-5°418	0°95	47.8131	10°0	...	32°411	-7°541	-1	...	...	...	37°604	+19°945	-3	...	...
...	27°329	+55°188	-5	...	...	...	32°424	+45°143	-5	m	...	...	37°624	-24°606	-4	m	...
...	+27°332	-23°434	-5	m	...	...	+32°471	+53°942	-5	m	...	...	+37°693	-19°394	0°65	...	...
...	27°343	-48°582	-2	...	...	...	32°473	+42°367	-3	...	...	...	37°837	-26°448	-5	m	...
...	27°439	-34°373	-2	a	...	...	32°645	-8°669	-5	m	...	...	37°894	-56°975	-5	m	...
...	27°486	+57°553	-5	...	...	...	32°681	-10°975	-4	m	...	...	38°071	+49°432	0°70	...	...
...	27°522	+16°518	-5	...	...	...	32°816	-10°773	0°80	47.8136	10°0	...	38°180	-39°125	-5	m	...
931	+27°605	+19°872	-4	...	...	991	+32°843	-48°536	-5	m	...	1051	+38°213	-49°097	-5	m	...
...	27°699	+12°182	-5	m	...	...	32°962	-38°843	-5	m	...	...	38°423	-56°424	-4	m	...
...	27°709	+2°859	-5	...	...	S*	33°007	+16°026	2°00	46.8470	8°9	...	38°476	-33°049	-5	m	...
...	27°735	-27°094	0°70	...	...	...	33°124	-26°467	-5	m	...	...	38°633	-39°329	0°90	...	...
...	27°890	+23°325	0°65	...	...	...	33°201	+26°367	-4	...	...	...	38°707	-40°213	1°50	47.8143	8°8
...	+28°328	+33°638	0°70	...	...	...	+33°533	+51°797	-5	...	...	...	+38°925	+25°162	-4	...	...
...	28°357	+14°228	-4	...	...	...	33°722	-12°511	-5	m	...	...	39°027	-14°980	-5	m	...
...	28°359	-20°679	-4	...	...	...	33°886	+45°665	-1	...	...	...	39°032	-8°497	-4	m	...
...	28°437	-38°671	-5	m	...	...	33°914	+46°832	-4	...	...	...	39°039	-39°265	0°85	...	...
...	28°489	-33°338	-5	m	...	...	33°926	-25°389	-4	m	...	...	39°051	+54°945	0°80	...	...
941	+28°605	+45°403	-5	...	*	1001	+33°964	-30°739	1°10	47.8137	9°6	...	+39°226	-33°665	-4	m	...
...	28°786	+57°065	-1	46.8465	10°0	...	33°967	-52°901	-4	m	...	...	39°251	+39°105	0°70	...	...
...	28°899	-47°720	-5	m	...	...	34°058	-30°530	-4	m	...	...	39°262	-27°990	1°40	47.8144	9°0
...	28°919	-7°017	-2	...	...	...	34°062	+53°135	0°80	...	...	...	39°264	+54°887	-4	...	...
*	29°152	+35°071	1°20	46.8466	9°4	...	34°162	+23°846	-5	...	...	...	39°321	-0°790	2°70	46.8477	8°2
...	+29°156	+48°690	-5	m	...	...	+34°211	-33°727	0°65	...	...	...	+39°382	+27°005	0°70	...	...
...	29°156	-13°609	0°70	...	...	...	34°235	-1°297	-5	m	...	...	39°460	-48°910	-5	m	...
...	29°227	-1°171	-4	m	...	...	34°235	-50°665	-5	m	...	...	39°555	+56°263	1°00	46.8476	10°0
...	29°308	+19°717	-4	...	...	...	34°262	-0°178	-3	a	...	...	39°710	-29°276	-5	m	...
*	29°357	+31°932	2°80	46.8467	8°5	*	34°314	-24°614	1°20	47.8138	9°4	...	39°751	-17°515	0°75	...	...
951	+29°413	-47°944	0°70	...	...	1011	+34°347	-51°720	-5	m	...	1071	+39°827	-25°954	0°75	...	...
+	29°632	-20°330	1°20	47.8134	9°2	*	34°385	-50°413	1°50	47.8139	9°0	...	39°833	-32°133	-1	...	...
...	29°739	-32°673	-3	b	...	*	34°391	+5°545	1°30	46.8472	9°4	...	39°895	-13°753	0°90	...	...
...	29°776	-23°294	-5	m	...	...	34°478	-38°379	-5	m	...	...	39°932	+57°929	1°00	46.8478	9°9
...	29°915	+51°129	-5	m	...	†	34°621	-12°672	0°70	...	...	...	40°133	+23°893	0°70	...	...
...	+30°119	-38°992	-4	m	...	†	+34°634	-0°698	1°20	46.8473	9°6	...	+40°198	+26°690	-5	m	...
...	30°136	-39°355	0°70	...	...	†	34°660	+42°176	0°90	46.8471	10°0	...	40°200	-2°727	-5	m	...
...	30°217	-56°370	-2	...	...	...	34°819	+16°568	-1	...	...	...	40°230	-58°663	-5	m	...
...	30°242	-55°307	-5	m	...	...	34°976	+13°611	-5	m	...	...	40°321	-23°043	0°80	...	...
...	30°473	+38°429	0°65	...	...	...	35°081	-28°518	-2	...	...	...	40°336	-25°361	0°70	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1081-1140																	
1081	+40°342	-26°899	-2	°a	...	1141	+44°181	-21°461	-4	°m	...	1201	+49°405	+54°202	-4	°	...
...	40°609	+59°237	-5	...	...	...	44°196	+20°294	-5	m	...	...	49°421	+24°804	-4	...	...
...	40°624	-27°381	0°75	...	...	...	44°296	-5°324	0°75	...	...	...	49°449	-34°261	0°70	...	...
...	40°764	-27°035	-5	m	...	...	44°339	+20°467	-5	m	...	*	49°670	-30°749	1°00	47.8150	10°0
...	40°801	+23°468	-2	...	...	...	44°371	+36°034	1°00	46.8487	10°0	...	49°698	-4°653	-3	a	...
...	+40°839	+58°207	-5	...	...	...	+44°394	+26°434	-5	m	...	...	+49°963	-22°031	-3	b	...
...	40°923	+40°025	-5	m	...	...	44°567	-54°117	-5	m	...	...	49°982	-14°717	0°90	47.8149	10°0
*	40°938	+28°130	1°00	46.8479	9°6	...	44°877	-34°495	-5	m	...	...	50°004	-32°475	0°70	...	...
...	41°029	-42°130	-5	m	...	...	44°972	-50°446	1°00	47.8146	10°0	...	50°113	+29°998	-5	...	...
...	41°061	-29°125	-5	m	...	...	45°349	-10°462	-5	m	...	...	50°135	+45°632	-5	...	...
1091	+41°062	-29°785	-5	m	...	1151	...	...	...	...	...	1211	...	...	...	...	...
†	41°065	-40°073	-5	m	...	...	+45°398	-16°267	-5	m	...	...	+50°204	+40°995	-5	...	...
...	41°153	+23°593	-5	...	...	...	45°453	+32°700	-5	m	...	...	50°259	-17°968	-4	m	...
†	41°212	+4°854	0°95	...	...	...	45°575	+22°029	1°00	46.8488	10°0	...	50°277	+34°980	-3	...	...
...	41°285	-16°304	0°70	...	...	...	45°725	+19°417	-5	...	...	...	50°286	-5°937	-4	m	...
...	+41°322	-21°292	-2	...	...	...	45°994	+20°645	0°85	...	...	...	50°297	-38°326	-4	m	...
*	41°453	+45°103	1°00	46.8480	9°6	...	46°185	+48°482	-1	...	...	*	50°362	+25°354	1°05	46.8496	9°9
...	41°466	+36°730	0°70	...	...	...	46°212	-48°167	-5	m	...	*	50°453	-38°077	1°40	47.8152	8°8
*	41°498	+18°110	1°00	46.8481	10°0	...	46°238	+39°269	-5	m	...	...	50°467	-19°797	-5	m	...
...	41°549	-36°683	-4	m	...	...	46°294	+38°008	-3	...	...	...	50°470	-48°038	-3	a	...
1101	+41°596	+16°112	0°70	...	...	1161	...	...	...	...	...	1221	...	...	...	...	...
...	41°622	+9°470	-2	...	...	...	* 46°443	+31°091	1°00	46.8489	10°0	*	50°561	-22°007	0°90	47.8151	10°0
...	41°742	-37°345	-5	m	...	...	46°480	+46°655	-2	...	...	*	50°564	-30°502	1°00	47.8153	10°0
...	41°870	-29°086	0°90	...	...	...	46°532	-23°910	-5	m	...	...	50°764	+3°757	0°70	...	...
...	42°034	+51°350	1°00	...	...	...	46°569	-38°732	-5	m	...	...	50°862	+44°355	0°85	46.8497	10°0
...	+42°044	-3°395	-5	m	...	...	+46°571	-48°334	-5	m	...	†	+50°924	-20°057	-5	m	...
...	42°084	+23°871	-5	m	...	...	46°628	-20°455	-5	m	...	...	51°043	-23°419	-4	m	...
...	42°102	+25°128	0°70	...	...	...	46°629	+38°885	-4	...	...	...	51°049	-0°720	-5	m	...
*	42°112	-32°524	1°15	47.8145	9°5	*	46°635	+28°077	1°05	46.8490	9°6	...	51°110	+5°634	-5	m	...
...	42°187	-1°314	0°70	...	...	...	46°656	-41°629	-5	m	...	...	51°164	-29°221	-4	m	...
1111	+42°217	-16°920	-5	m	...	1171	...	...	...	...	...	1231	...	...	...	...	...
*	42°238	+11°593	1°40	46.8482	9°5	...	+46°718	+24°378	-5	...	...	...	+51°177	+27°328	-4	...	...
...	42°242	+45°589	-3	...	...	...	46°783	+42°209	-5	...	...	...	51°180	+2°404	-4	m	...
...	42°250	+49°063	-5	...	...	...	46°863	+7°461	1°00	46.8491	9°6	...	51°237	-4°620	-3	...	...
...	42°251	-58°386	-1	...	...	...	47°007	-23°217	0°70	...	...	...	51°284	-57°499	-4	m	...
...	+42°278	+55°879	-4	...	...	...	+47°213	-15°248	-5	m	...	...	+51°414	+13°070	-4	m	...
...	42°444	-36°531	-4	m	...	...	47°312	-1°130	-2	...	...	...	51°418	+48°516	-3	...	...
...	42°480	+39°533	0°70	...	...	...	47°411	-21°680	1°00	47.8148	9°8	S*	51°491	+0°040	2°00	46.8499	8°9
...	42°581	-27°895	-5	m	...	...	47°566	+26°595	-3	...	...	*	51°526	+29°162	1°15	46.8498	9°6
...	42°643	-47°654	-5	m	...	...	47°774	-0°260	-5	m	...	*	51°632	-40°918	1°15	47.8154	9°6
1121	* 42°730	+56°819	1°10	46.8483	9°6	N	+47°778	+49°524	-4	...	...	...	+51°692	-49°923	-5	m	...
...	42°969	+39°935	0°90	...	...	N*	47°811	+49°456	1°00	46.8493	9°8	...	51°704	+41°239	-2	...	...
...	43°006	+51°488	-5	...	...	...	47°820	-42°861	-4	m	...	...	51°914	-9°230	-5	m	...
...	43°062	-20°495	-2	b	...	...	47°926	+53°771	1°00	46.8494	10°0	...	51°993	+57°794	-3	...	...
*	43°071	+5°462	1°00	46.8484	9°8	...	48°023	-26°411	-5	m	...	...	52°017	-37°174	-4	m	...
...	+43°157	-34°116	-5	m	...	...	+48°025	-55°880	-5	m	...	...	+52°110	-25°748	0°80	...	...
...	43°181	-14°832	0°85	...	...	...	48°163	+27°332	-5	...	...	...	52°194	-52°282	0°70	...	...
...	43°246	-59°894	-4	m	...	...	48°215	+16°487	1°00	46.8495	10°0	...	52°236	-15°412	-5	m	...
...	43°307	+58°175	-3	...	...	...	48°223	-35°780	-5	m	...	...	52°286	-29°953	-5	m	...
...	43°435	-25°775	-5	m	...	...	48°271	-33°099	0°70	...	...	...	52°331	+39°531	-4	...	...
1131	+43°484	+51°090	-4	...	...	1191	+48°284	-5°553	-2	...	...	...	+52°412	+43°220	0°65	...	...
...	43°499	-59°775	-5	m	...	...	48°368	+6°738	0°70	...	...	...	52°509	-19°625	-4	m	...
...	43°591	+0°298	0°70	...	...	...	48°489	+14°928	-5	m	...	*	52°604	+53°319	1°40	46.8500	9°3
*	43°760	+12°017	0°75	...	...	...	48°550	-37°024	-4	m	...	...	52°606	+57°881	-1	...	...
*	43°850	+59°366	1°40	45.8422	9°5	...	48°636	-14°770	-5	m	...	...	52°639	-38°237	0°85	...	...
+	+43°878	+0°886	-5	m	...	...	+48°684	-44°332	0°95	...	...	...	+52°697	-30°647	-3	a	...
*	44°006	+54°400	1°60	46.8485	9°4	...	48°821	-17°704	0°85	...	...	...	52°760	+0°235	-5	m	...
*	44°017	+35°698	1°00	46.8486	10°0	...	48°920	-13°695	-5	m	...	...	52°914	-19°382	-5	m	...
...	44°049	-39°738	-4	m	...	...	49°035	+16°944	-4	...	...	...	52°951	-5°641	0°75	...	...
...	44°051	+0°418	-2	...	...	...	49°039	-9°890	0°85	...	...	...	53°078	-26°765	-2	...	...

1181, 1182. 46°-104, two stars; 47°-104, mass.

- 47°

No. 103

CAPE ASTROGRAPHIC ZONE.

1904·64

17^h 5^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1261-1300																	
1261	+53°084	-58°274	-1	o	...	...	+55°362	+31°118	-3	o	...	...	+57°943	-58°712	-5	m	...
...	53°105	-58°075	-4	...	...	...	55°391	-25°369	-5	m	...	*	57°948	-32°131	1°25	47.8168	9°5
...	53°147	-29°075	-4	m	...	*	55°441	-46°925	1°30	47.8161	9°5	...	58°054	+13°443	-3	...	...
...	53°165	-51°010	-4	m	...	*	55°611	-28°061	0°95	47.8160	10°0	...	58°070	+49°298	0°65	...	...
...	53°238	-40°888	-5	m	...	*	55°795	-4°309	1°15	47.8159	9°6	...	58°351	+7°916	-5	...	...
*	+53°245	-53°198	1°25	47.8155	9°6	...	+55°985	-38°018	-5	m	...	...	+58°402	-18°787	0°90	...	...
...	53°309	-11°091	-4	m	...	...	56°007	+30°980	-5	...	...	...	58°435	-59°526	-4	m	...
...	53°377	+8°910	-4	...	...	*	56°200	-47°249	1°30	47.8162	9°6	...	58°458	-25°360	-2	a	...
...	53°422	-51°003	-1	...	...	...	56°261	-9°042	-5	m	...	*	58°495	-31°654	1°20	47.8170	9°5
*	53°469	-53°798	1°20	47.8156	9°6	...	56°267	-33°003	0°70	...	...	...	58°504	+51°117	0°65	...	...
1301-1340																	
1271	+53°510	-27°797	-2	...	...	...	+56°303	-6°034	-5	m	...	...	+58°510	-29°374	-4	m	...
...	53°544	-58°878	-2	...	...	...	56°351	+9°216	-1	...	...	...	58°518	-3°017	-3	a	...
...	53°577	-50°551	-1	...	...	...	56°423	-20°430	-4	m	...	...	58°698	+3°049	-5	m	...
...	53°598	-51°267	-3	...	...	...	56°424	-21°848	-1	...	...	...	58°949	-28°533	-5	m	...
*	53°794	-45°478	1°00	47.8157	9°9	...	56°566	-39°284	-5	m	...	*	58°969	-18°702	1°00	47.8171	9°8
...	+53°924	+39°149	1°00	46.8501	10°0	*	+56°664	-52°944	1°20	47.8163	9°6	...	+59°077	+22°587	-5	m	...
...	53°926	-35°567	-4	m	...	...	56°670	+7°719	-5	m	...	...	59°184	+6°689	-4	...	...
...	53°984	-23°118	-2	...	...	*	56°723	-57°126	1°60	47.8165	8°7	...	59°218	-1°319	-5	m	...
...	53°985	+5°054	0°65	...	...	...	56°751	-0°715	-5	m	...	*	59°277	+51°880	1°40	46.8507	9°4
...	54°017	-29°145	-3	a	...	...	56°779	-50°617	-3	a	...	...	59°278	-2°230	-4	m	...
1341-1364																	
1281	* +54°022	+22°113	1°15	46.8502	9°8	...	+56°791	-34°333	-3	a	...	*	+59°365	-59°686	2°20	47.8175	8°2
...	54°163	+0°250	0°65	...	...	...	56°856	-50°754	0°95	47.8166	9°8	S *	59°376	-43°000	3°35	47.8172	7°4
†	54°489	-36°384	-4	m	...	...	56°867	-25°184	-5	m	...	...	59°478	-6°755	-1	...	...
†	54°510	-38°265	-5	m	...	...	56°995	-4°908	-4	m	...	†	59°540	-33°539	1°20	47.8173	9°6
...	54°633	-57°180	-1	...	...	...	57°036	+52°485	-3	...	...	...	...	...	...	...
...	+54°646	-6°174	-4	m	...	...	+57°128	-50°703	-5	m	...	...	...	...	...	...
...	54°646	-48°363	0°75	...	...	...	57°234	+37°936	0°90	46.8506	10°0	...	...	...	...	...
...	54°652	-29°853	-4	m	...	...	57°241	-25°898	-2	...	...	...	...	...	...	...
...	54°751	-17°865	-4	m	...	...	57°298	-48°609	0°80	...	...	...	...	...	...	...
*	54°780	+10°604	1°00	46.8504	10°0	...	57°305	+57°621	-5	...	...	...	...	...	...	...
1291																	
...	+54°812	+29°265	-4	...	...	...	+57°313	+5°559	0°75	...	...	...	...	...	...	...
*	54°846	+13°031	1°35	46.8503	9°5	‡	57°365	-10°139	1°05	47.8164	9°8	...	...	...	...	...
...	54°884	-48°669	0°65	...	...	...	57°415	-52°571	-4	...	...	...	...	...	...	...
*	54°888	-23°447	0°95	47.8158	10°0	...	57°541	-21°002	0°70	...	...	...	...	...	...	...
...	54°925	-40°637	-4	m	...	...	57°551	+1°995	-2	...	...	...	...	...	...	...
...	+54°926	+49°085	-4	...	...	*	+57°699	-53°806	1°40	47.8169	9°4	...	...	...	...	...
...	55°073	+10°689	-2	...	...	*	57°745	-18°528	1°20	47.8167	9°5	...	...	...	...	...
...	55°086	-56°576	-5	m	...	...	57°822	-3°016	0°70	...	...	...	...	...	...	...
*	55°318	+18°404	1°00	46.8505	10°0	...	57°879	-24°685	0°80	...	...	...	...	...	...	...
...	55°354	-43°361	-5	m	...	...	57°910	+43°289	-1	...	...	...	...	...	...	...
1331																	
D-5																	
1904·57																	
17^h 15^m																	
1-10									11-20								
I	-59°525	-29°370	-2	o	...	...	-56°992	+20°468	-2	o	...	...	-54°582	-23°335	-5	...	...
...	59°460	+35°456	0°80	46.8486	10°0	...	56°872	+30°934	0°95	46.8489	10°0	...	54°228	-21°785	1°00	47.8148	9°8
*	59°428	+5°209	0°95	46.8484	9°8	*	56°583	+27°913	1°00	46.8490	9°6	...	54°175	+6°648	-5	...	...
*	59°171	-32°799	1°20	47.8145	9°5	...	56°125	+53°631	-1	46.8494	10°0	...	53°868	-5°641	-5	...	...
...	59°109	+35°805	0°95	46.8487	10°0	N [	56°104	+49°323	0°95	46.8493	9°8	...	53°718	+24°739	-5	...	...
...	-58°954	+11°770	-4	...	...	*	-55°904	+19°598	1°90	46.8492	8°8	...	-53°052	+38°699	-5	...	...
...	58°676	-15°074	-2	...	...	...	55°723	-50°609	-1	47.8146	10°0	...	52°985	-9°952	-2	...	...
...	58°211	-58°651	-5	...	...	*	55°699	+7°325	1°00	46.8491	9°6	...	52°985	-33°177	-5	...	...
...	57°861	-5°544	-2	...	...	...	54°974	-1°252	-5	...	...	...	52°944	-17°760	0°75	...	...
...	57°452	+21°842	0°95	46.8488	10°0	...	54°658	+16°383	0°95	46.8495	10°0	...	52°883	+44°317	-3	46.8497	10°0
L measured from 1, 123, 260, 392, 551, 711.																	
C	"	"	50.	186,	312,	472,	638,	787.	15. Mass. 46°. 104, 47°. 103, two stars.								

17^h 15^m

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- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
31-90						91-150						151-210						
31	-52°765	+25°322	0°90	46.8496	9°9	91	-44°426	-2°802	-4	°	...	151	-34°569	+14°952	2°00	46.8516	8°8	
...	52°466	+48°483	-5	...	...	...	44°263	-25°686	-5	...	...	...	34°475	+42°271	-3	...	...
...	52°229	-44°396	-2	...	...	...	44°129	+53°840	-5	...	...	...	34°465	+17°037	1°00	46.8518	9°6
...	51°942	+41°229	-5	...	...	...	44°129	-20°789	-4	...	...	...	34°397	+3°342	1°30	46.8517	9°4
...	51°873	-14°748	0°75	47.8149	10°0	*	44°006	-18°305	1°15	47.8167	9°5	...	34°222	-3°914	-3	...	...
...	-51°784	-34°293	-5	...	...	...	-43°984	-52°745	1°00	47.8163	9°6	...	-33°996	-2°681	1°00	47.8184	9°5
*	51°732	+29°163	1°05	46.8498	9°6	...	43°859	-50°543	0°90	47.8166	9°8	...	33°983	+49°462	1°00	46.8519	9°8	
...	51°683	+3°738	-4	...	...	*	43°779	-56°907	2°00	47.8165	8°7	†	33°603	-39°904	-5	...	...
...	51°676	-30°784	0°90	47.8150	10°0	...	43°665	-24°453	0°70	...	...	...	33°574	+16°382	-4	...	...
...	51°579	+57°897	-4	...	...	...	43°467	-48°383	-2	...	...	...	33°526	-45°452	-5	...	...
41	101						161						171					
...	-51°556	-13°048	-2	...	...	...	-43°375	+47°926	-4	...	...	...	-33°172	+19°189	-5	...	...
*	51°434	+53°337	1°90	46.8500	9°3	*	43°359	-31°897	1°10	47.8168	9°5	...	32°947	+1°287	-5	...	...
...	51°290	+43°235	-5	...	...	...	43°326	-18°546	0°70	...	...	*	32°861	-20°407	1°00	47.8185	9°5
...	51°285	-32°497	-5	...	...	...	43°237	-52°346	-5	...	...	...	32°820	-59°537	-5	A	...
...	51°065	-22°006	0°75	47.8151	10°0	...	43°162	+47°940	-4	...	...	...	32°566	+5°720	-5	...	...
S+	-50°938	-4°615	-5	...	...	*	-42°918	-53°564	1°10	47.8169	9°4	...	-32°267	-1°009	-5	...	...
...	50°824	+0°052	1°40	46.8499	8°9	*	42°841	-31°394	1°10	47.8170	9°5	...	32°040	-24°405	-5	...	...
...	50°770	-30°509	0°90	47.8153	10°0	...	42°764	-18°441	0°90	47.8171	9°8	*	32°029	-27°363	1°00	47.8186	9°6	
...	50°642	-38°079	2°00	47.8152	8°8	...	42°643	-6°488	-5	...	...	...	31°934	+6°179	-5	...	...
...	49°650	+39°215	0°65	46.8501	10°0	...	42°301	-13°862	0°70	...	...	...	31°870	+11°624	-5	...	...
51	III						171						181					
...	-49°402	-25°708	-3	...	...	*	-41°717	-33°242	1°00	47.8173	9°6	...	-31°730	-34°159	-3	...	...
...	49°398	-40°871	1°00	47.8154	9°6	*	41°572	-1°155	1°20	46.8508	9°6	...	31°627	+42°811	-3	...	...
...	49°200	-5°575	-1	...	...	...	41°562	+13°988	-3	...	...	...	31°621	+53°297	-5	...	...
...	49°023	+22°189	1°00	46.8502	9°8	S*	41°558	-42°709	3°00	47.8172	7°4	...	31°555	+18°231	-5	...	...
...	48°514	+5°146	-4	...	...	...	41°534	-30°187	-5	...	...	...	31°376	-37°445	0°80	47.8187	9°9
...	-48°479	-38°175	0°70	...	...	...	-41°502	-28°739	-5	...	...	...	-31°044	-21°932	-5	A	...
...	48°467	-52°221	-4	...	...	...	41°487	+50°134	-4	...	...	...	31°020	+6°231	-2	...	...
...	48°174	+0°351	-4	...	...	...	41°485	+10°399	-3	...	...	...	30°663	-16°723	-4	...	...
...	47°960	+31°229	-5	...	...	...	41°298	-45°367	0°90	47.8174	9°9	...	30°553	-41°839	-3	...	...
...	47°937	-27°708	-5	...	...	*	41°038	-59°389	2°10	47.8175	8°2	...	30°543	-30°393	-5	...	...
61	121						181						191					
*	-47°892	+13°149	1°15	46.8503	9°5	...	-40°478	-57°961	-3	...	...	...	-30°445	+37°262	0°85	46.8520	10°0
...	47°887	+10°720	0°90	46.8504	10°0	†	40°150	-10°473	-5	A	...	...	30°310	-22°805	-4	...	...
...	47°611	+18°523	0°90	46.8505	10°0	...	39°617	+34°587	-4	...	...	...	30°304	-5°621	-2	...	...
...	47°602	+10°817	-5	...	...	...	39°398	+47°321	0°70	46.8509	10°0	...	30°232	+23°983	-5	...	...
...	47°601	-23°006	-5	...	...	...	39°378	-30°696	-3	...	...	†	30°153	-4°260	-5	...	...
...	-47°382	-53°091	1°20	47.8155	9°6	*	-39°114	-10°717	1°00	47.8177	9°6	...	-29°868	-34°563	-5	...	...
...	47°278	-50°901	-4	...	...	*	39°089	-11°778	1°00	47.8178	9°6	...	29°858	-15°104	0°90	47.8188	9°6
...	47°149	-53°684	1°10	47.8156	9°6	...	39°050	-57°284	-1	47.8176	10°0	...	29°519	-22°022	0°80	47.8189	10°0	
...	47°131	-50°449	-4	...	...	...	38°901	-10°255	-4	...	...	...	29°468	-16°888	-2	...	...
...	47°082	-45°377	0°90	47.8157	9°9	...	38°632	-5°723	-5	...	...	...	29°258	-16°210	0°90	47.8191	9°6
71	131						191						201					
...	-46°914	-58°748	-5	...	...	*	-38°587	+56°613	1°60	46.8512	9°1	...	-29°126	-29°538	-5	...	...
...	46°690	-23°313	0°70	47.8158	10°0	*	38°543	+18°345	3°00	46.8510	7°9	α*	29°053	-0°284	1°10	46.8521	9°4	
*	46°398	-4°149	1°00	47.8159	9°6	*	38°497	-11°726	1°30	47.8179	9°3	...	29°019	+48°690	0°85	46.8522	10°0	
...	46°311	+38°111	-1	46.8506	10°0	*	38°467	+39°342	1°40	46.8511	9°0	...	28°745	-59°715	-1	47.8190	9°8	
...	46°279	+9°380	-4	...	...	...	37°804	+5°593	-5	...	...	...	28°740	-1°054	-3	...	...
...	-46°145	-48°219	-2	...	...	...	-37°703	-34°571	0°80	...	...	...	-28°524	+45°197	0°75	...	...
...	45°887	-48°517	-4	...	...	...	37°323	-14°983	-4	...	...	...	28°474	-10°090	-5	...	...
...	45°854	-57°031	-5	...	...	*	37°036	-31°396	1°00	47.8180	9°6	...	27°838	-55°241	1°00	47.8192	9°9
...	45°840	+49°497	-3	...	...	...	36°784	+36°065	-4	...	...	...	27°826	+12°753	-1	...	...
...	45°819	-27°901	0°90	47.8160	10°0	...	36°535	-19°568	-2	...	...	...	27°750	+6°579	0°85	46.8523	9°9
81	141						201						211					
...	-45°800	+43°491	-4	...	...	*	-36°464	-38°853	1°40	47.8181	9°2	...	-27°245	+32°372	-5	...	...
...	45°452	+51°324	-4	...	...	S*	36°440	+27°888	4°80	46.8513	7°3	...	26°987	-11°655	-5	...	...
*	45°371	-46°759	1°20	47.8161	9°5	*	36°249	-22°536	1°00	47.8182	9°6	...	26°970	-25°936	-5	...	...
...	45°207	-21°649	-4	...	...	...	36°126	+17°916	-2	46.8514	10°0	...	26°962	-16°631	-5	...	...
...	45°194	+5°761	-3	...	...	...	36°115	-8°630	0°70	...	...	...	26°929	-33°467	-3	...	...
...	-45°028	-32°825	-3	...	...	...	-35°885	-8°239	-3	...	...	...	-26°828	-27°912	0°80	47.8193	9°9
...	44°853	+2°199	-5	...	...	†	35°855	-14°859	-3	...	...	...	26°823	-8°016	-3	...	...
*	44°717	+52°117	1°25	46.8507	9°4	...	35°323	+48°509	0°70	46.8515	10°0	...	26°639	-33°841	-4	...	...
++*	44°640	-9°923	0°95	47.8164	9°8	†	35°076											

Notes.	Cc-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
211-270																		
211	-26·221	+36·921	-4	o	...	...	271	* -17·754	-1·826	1·00	47·8207	9·4	331	-7·854	-41·260	-3	o	...
...	26·177	-34·616	-5	...	...	...	...	17·534	+36·210	-2	...	...	...	7·833	+19·290	-5	...	...
...	26·056	-59·719	-3	...	...	...	...	17·509	+24·705	0·85	46·8535	9·8	...	7·682	+26·786	-5	...	...
...	25·910	+48·530	0·90	46·8524	10·0	*	...	17·171	+33·281	0·95	46·8536	9·8	...	7·500	-0·854	-4	...	...
...	25·754	+56·484	-2	...	...	...	...	16·896	-25·825	0·65	47·8208	9·6	...	7·250	+53·508	-5	...	...
*	-25·741	+21·316	-5	...	...	...	...	-16·667	+18·616	-3	...	...	*	-7·064	-17·101	1·20	47·8222	9·4
...	25·712	-23·906	1·35	47·8194	9·3	...	...	16·280	-1·136	1·00	46·8537	9·9	...	6·941	-9·167	-1	...	...
...	25·709	+57·514	1·00	46·8525	9·6	...	...	15·816	+31·235	-3	...	...	...	6·853	+47·269	0·80	46·8555	9·8
*	25·313	-3·131	1·20	47·8196	9·4	...	...	15·578	+54·349	1·00	46·8539	9·9	...	6·760	-53·179	-4	...	...
...	25·085	-54·419	-5	...	...	...	...	15·480	-51·260	-5	...	...	...	6·733	+33·135	-5	...	...
221	-24·951	+22·105	-4	...	...	...	281	-15·438	+25·459	0·80	46·8538	10·0	341	-6·674	+54·115	0·90	46·8556	9·8
...	24·910	-46·222	-3	...	...	...	...	15·077	-3·909	-5	...	...	...	6·558	+56·144	-5	...	...
...	24·806	-49·361	-5	B	...	...	...	14·707	-16·779	-4	...	...	...	6·502	+7·550	-4	...	...
*	24·799	-31·889	1·00	47·8197	9·9	...	...	14·636	-0·303	-5	...	...	...	6·340	-5·037	0·70	47·8223	10·0
...	24·667	-52·893	-4	...	...	...	...	14·581	+18·901	0·75	46·8540	10·0	...	6·170	-45·340	-5	...	...
n*	-24·541	+56·076	1·30	46·8526	8·8	...	...	-14·417	-23·708	0·95	47·8209	9·8	S*	-5·980	+46·636	1·40	46·8557	8·9
...	24·520	-2·235	-1	47·8198	10·0	...	...	14·088	+7·103	-2	46·8541	10·0	...	5·819	+57·856	-4	...	...
...	24·437	-18·063	0·70	...	...	...	...	13·929	-39·117	-2	...	...	...	5·792	-28·959	0·75	47·8224	10·0
n*	24·410	+56·101	1·20	46·8526	8·8	...	...	13·892	+49·544	-5	...	...	...	5·502	-26·347	-2	...	...
...	24·290	-3·741	-5	...	...	...	...	13·485	+32·863	0·80	46·8542	9·8	S*	5·397	-56·874	2·70	47·8225	7·7
231	-24·287	+34·201	-5	...	...	...	391	-13·404	-22·343	-3	47·8210	10·0	351	-5·121	-9·732	-5	...	...
...	24·273	+48·272	-5	...	...	*	...	13·322	+55·320	1·10	46·8543	9·4	...	5·090	-28·223	-5	...	...
...	23·932	-14·139	-4	...	...	...	...	13·023	+20·929	-4	...	...	*	5·002	+36·144	1·05	46·8558	9·5
...	23·631	+33·729	-4	...	...	...	...	12·507	-1·069	0·65	46·8544	10·0	...	4·967	-45·201	-3	...	...
...	23·445	-33·461	-3	...	...	...	...	12·490	-53·752	-4	...	...	...	4·838	+24·120	-5	...	...
...	-23·321	-59·468	-1	47·8199	10·0	...	...	-12·270	-12·358	1·00	47·8212	9·6	...	-4·784	-26·127	0·70	47·8226	10·0
...	23·085	+29·746	1·00	46·8527	9·6	†	...	12·205	-49·900	0·80	47·8211	9·9	...	4·732	-10·597	-3	47·8227	10·0
*	22·584	-36·066	1·00	47·8200	9·9	...	...	11·997	-25·072	-5	...	...	...	4·564	-19·580	-5	...	...
...	22·546	-48·831	-5	...	...	...	...	11·956	+45·362	0·95	46·8546	9·9	*	4·535	+53·466	1·10	46·8559	9·5
...	22·497	-49·739	-3	...	...	...	...	11·939	-28·873	-5	...	...	...	4·520	-26·622	-5	...	...
241	-22·463	+57·896	-5	...	...	...	301	-11·906	+1·799	1·00	46·8545	9·8	361	-4·477	+16·576	-5	...	...
...	22·459	+32·369	0·90	46·8528	9·9	...	...	11·541	-50·770	-4	...	...	...	4·080	-7·503	-5	...	...
...	22·394	+33·209	-2	...	...	...	...	11·490	-18·658	-2	47·8213	10·0	...	3·803	-52·076	-5	M	...
...	22·384	+15·760	-5	...	...	*	...	11·434	-26·216	1·00	47·8214	9·5	...	3·695	-19·375	0·90	47·8228	9·6
...	22·250	+40·694	-4	...	...	...	...	11·304	-43·916	-5	...	...	...	3·640	+50·637	-3	...	...
...	-22·222	+25·390	-5	...	...	...	...	-11·190	+33·116	-5	...	...	...	3·524	-4·015	-5	...	...
...	22·205	+36·542	-5	...	...	...	...	11·070	+7·905	1·00	46·8547	9·8	...	3·448	-31·135	-3	...	...
...	22·199	+52·913	-4	...	...	...	...	10·762	-46·929	0·90	47·8215	10·0	...	3·352	+14·134	0·85	46·8560	9·9
...	21·871	+39·513	0·75	46·8529	10·0	...	...	10·641	+7·518	1·00	46·8548	9·8	...	3·150	-17·647	0·90	47·8229	9·8
+	21·849	-49·721	2·60	47·8201	8·0	...	...	10·610	+50·954	-5	...	...	...	3·132	+34·338	0·80	46·8561	10·0
251	-21·502	-56·698	-5	...	...	...	311	-10·552	-57·237	1·00	47·8216	9·8	371	-3·099	-8·438	-5	...	...
...	21·408	-37·699	-3	...	...	†	...	10·070	+40·144	0·85	46·8549	9·6	...	3·097	-37·384	-5	...	...
...	21·254	+29·887	-3	46·8530	10·0	...	...	9·881	+51·703	-5	...	...	*	2·843	+16·644	1·10	46·8562	9·5
...	21·108	+2·778	-4	...	...	...	...	9·831	-51·816	-3	...	...	...	2·840	+39·799	-5	...	...
...	20·917	+5·230	-5	...	...	...	...	9·772	+35·569	-5	...	...	...	2·769	+50·057	1·35	46·8563	9·1
...	-20·733	-8·388	-5	...	...	...	...	-9·692	+36·060	-5	...	...	...	-2·734	-47·441	-5	...	...
+	20·601	-9·903	1·00	47·8202	9·8	...	...	9·605	-10·962	-4	...	...	...	2·273	+33·717	-5	...	...
...	20·577	+18·772	-5	...	...	...	...	9·336	-12·480	-5	...	...	...	2·244	+35·869	-5	...	...
...	20·454	+7·231	-5	...	...	...	...	9·229	-42·958	0·90	47·8217	9·9	...	2·014	+14·226	-5	...	...
+	20·104	-21·228	1·00	47·8203	9·4	...	...	8·862	+0·531	0·65	46·8550	10·0	...	1·911	+40·870	0·70	...	...
261	-19·701	-54·064	-5	...	...	*	321	-8·792	+30·709	1·00	46·8551	9·8	381	-1·835	-41·740	-4	...	...
...	19·673	-20·413	0·80	47·8205	9·9	...	...	8·323	+13·266	0·95	46·8552	9·9	...	1·751	-29·353	-3	...	...
...	19·667	+26·030	1·00	46·8531	9·6	...	...	8·287	-18·762	1·05	47·8218	9·6	...	1·737	-9·080	-5	...	...
*	19·622	-38·775	1·30	47·8204	9·3	*	...	8·229	+56·803	1·20	46·8553	9·3	*	1·679	-38·585	1·05	47·8230	9·6
*	19·480	+32·708	1·20	46·8532	9·1	...	...	8·098	-30·162	0·70	47·8220	10·0	*	1·624	+14·483	1·15	46·8564	9·6
...	-19·318	-30·042	-5	...	...	*	...	-7·998	-14·425	1·40	47·8221	9·0	...	-1·583	+44·134	-5	...	...
...	19·272	+32·195	-2	46·8533	10·0	*	...	7·972	+33·749	1·05	46·8554	9·6	...	1·377	-55·104	0·80	47·8231	10·0
...	18·278	+53·105	-2	...	...	...	...	7·931	+51·406	-5	...	...	...	1·292	+45·380	-5	...	...
*	18·005	-11·621	1·00	47·8206	9·6	*	...	7·880	-42·374	1·50	47·8219	8·8	...	1·243	+10·335	-5	...	...
...	17·950	+2·605	0·90	46·8534	9·9	...	...	7·858	+14·889	-5	...	...	...	0·908	+3·903	-5	...	...

226, 229. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		
391-450																			
391	- 0.676	- 55.898	0.80	47.8232	10.0	451	*	+ 6.702	+ 1.951	1.00	46.8583	9.8	511	*	+ 14.446	- 25.461	1.30	47.8256	9.2
...	0.117	- 41.920	- 5	6.964	+ 51.889	- 5	*	14.572	- 55.668	1.25	47.8257	9.4
†	- 0.102	+ 31.509	- 1	46.8565	10.0	7.005	- 27.961	- 4	†	14.638	- 56.966	1.20	47.8258	9.5
*	+ 0.172	+ 47.187	1.00	46.8567	9.6	7.100	- 50.591	- 5	†	14.811	+ 47.855	- 5
...	0.271	+ 1.935	1.00	46.8566	9.8	7.295	+ 26.293	0.70	46.8584	10.0	14.907	- 46.587	- 3
...	+ 0.468	+ 32.676	- 5	7.424	- 50.592	1.00	47.8243	9.9	+ 14.942	+ 21.840	0.85	46.8591	10.0
...	0.483	- 45.600	- 4	...	...	...	...	7.460	- 17.724	- 5	...	...	S *	15.209	+ 12.953	1.30	46.8592	9.4
...	0.549	- 23.564	- 5	*	7.705	- 22.203	6.00	47.8245	6.3	15.250	+ 2.625	0.95	46.8594	9.8
...	0.841	+ 8.683	0.70	...	...	...	...	7.745	+ 55.678	- 5	...	...	*	15.356	+ 49.171	1.00	46.8593	9.5
...	0.898	+ 45.818	- 2	...	...	...	...	7.848	+ 8.419	- 5	...	...	...	15.582	- 0.968	0.90	46.8595	9.6
401	+ 0.899	+ 59.559	- 4	461	...	+ 7.850	+ 20.424	0.65	521	+ 15.623	+ 46.749	- 4
...	1.079	- 52.862	0.70	...	...	*	...	7.880	- 26.713	2.00	47.8244	8.9	*	15.828	- 3.044	1.25	47.8259	9.4
...	1.122	- 53.996	- 5	...	...	...	...	7.956	- 51.790	- 4	...	...	...	16.116	- 35.753	- 3	...	...
...	1.124	+ 37.202	- 2	46.8569	10.0	...	...	8.128	+ 39.327	- 5	...	...	...	16.388	+ 34.927	- 4	...	...
*	1.140	+ 15.205	1.30	46.8568	9.1	...	...	8.288	+ 16.882	- 3	...	...	...	16.736	+ 10.074	- 3	46.8596	10.0
...	+ 1.193	- 44.376	- 5	...	...	...	+	8.480	- 28.836	- 4	...	...	...	+ 16.814	- 51.676	0.70	...	...
...	1.197	+ 46.519	0.95	46.8570	9.6	...	...	8.756	- 40.952	- 2	...	...	...	16.889	+ 16.697	- 4	...	...
+	1.292	- 9.965	1.40	47.8233	9.2	†	...	8.982	- 59.740	- 4	...	...	...	16.931	- 42.751	- 5	...	...
S *	1.537	- 26.060	1.45	47.8234	9.0	...	...	9.233	- 37.873	- 3	...	...	...	17.113	+ 51.571	- 5	...	...
...	1.900	- 26.751	- 5	...	...	...	*	9.455	+ 27.288	1.00	46.8585	9.6	...	17.259	+ 28.587	- 5	...	...
411	+ 1.960	- 45.957	- 3	471	...	+ 9.716	+ 17.089	0.80	46.8586	10.0	...	531	+ 17.380	+ 38.543	- 4
*	1.973	- 53.294	1.05	47.8235	9.4	...	†	9.951	- 47.183	- 4	...	...	...	17.383	- 2.098	- 5	...	...
...	2.281	- 3.676	- 3	47.8236	9.9	...	...	9.959	- 33.429	0.80	47.8246	9.9	...	17.467	+ 57.231	- 5	...	...
...	2.284	+ 11.958	0.65	46.8571	10.0	*	...	10.025	- 24.343	1.25	47.8247	9.2	*	17.605	+ 29.571	1.05	46.8597	9.6	
...	2.780	- 42.841	- 5	...	...	*	...	10.030	- 23.770	1.10	47.8248	9.5	†	17.723	+ 10.017	- 3	...	...
...	+ 3.031	- 25.306	- 5	...	...	*	...	+ 10.143	- 58.298	1.20	47.8249	9.6	...	+ 17.752	+ 20.184	- 5	...	...
...	3.278	+ 38.872	- 2	...	...	481	...	10.212	+ 39.721	1.00	46.8587	9.6	...	17.835	- 35.772	- 5	...	...
...	3.319	- 46.316	- 5	...	...	...	...	10.297	- 14.064	- 5	...	...	...	17.937	- 35.707	- 5	...	...
...	3.383	+ 31.286	0.85	46.8572	10.0	...	...	10.412	+ 53.169	- 5	...	...	...	18.200	- 43.680	0.85	47.8260	10.0
...	3.476	- 16.791	- 3	...	...	...	...	10.488	- 47.667	- 3	...	...	...	18.225	- 8.884	- 4	...	...
421	+ 3.527	+ 54.852	- 4	46.8574	10.0	...	481	+ 10.649	+ 30.540	- 5	541	+ 18.383	- 38.637	- 4
...	3.610	+ 17.205	1.00	46.8573	9.9	*	...	10.759	- 13.486	1.80	47.8250	8.8	...	18.569	+ 59.452	1.05	45.8523	9.6	
...	3.665	- 18.309	- 3	...	...	...	...	10.768	- 22.030	- 2	...	...	...	18.632	+ 58.874	- 5	...	...
...	3.904	- 27.477	0.90	47.8238	9.6	...	...	11.027	- 26.762	- 3	47.8251	10.0	...	18.689	+ 20.096	- 5	...	...
...	4.089	+ 49.019	- 4	...	...	...	...	11.230	+ 46.435	- 4	...	...	...	+ 19.091	+ 53.195	- 3	...	...
...	+ 4.159	+ 7.533	- 4	...	...	...	+	11.237	- 28.836	- 3	47.8252	10.0	...	19.155	+ 7.812	- 4	...	...
...	4.204	- 45.852	- 2	...	...	...	...	11.257	- 39.073	- 2	47.8253	10.0	...	19.170	- 51.333	1.05	47.8261	9.6
...	4.220	+ 6.207	- 4	...	...	...	...	11.333	+ 20.437	- 5	...	...	*	19.482	- 2.147	- 4	...	...
...	* 4.262	- 11.417	1.00	47.8239	9.5	...	...	11.401	- 36.571	1.05	47.8254	9.8	...	19.718	- 36.494	1.20	47.8263	9.5
...	4.293	+ 18.415	0.65	46.8575	10.0	...	...	11.404	- 2.215	- 4	...	...	+	19.718	- 36.494	1.20	47.8263	9.5
431	+ 4.374	+ 48.375	0.90	46.8576	10.0	491	...	+ 11.504	+ 28.742	- 4	551	+ 19.806	+ 58.130	0.95	46.8598	9.9
*	4.405	+ 28.212	1.00	46.8577	9.5	...	...	11.524	- 56.411	- 1	...	...	...	20.039	- 21.580	- 5	...	...
...	4.512	- 20.461	- 5	M	...	...	...	11.669	+ 22.514	- 5	...	...	...	20.062	- 42.683	- 4	...	...
...	4.671	+ 9.264	- 2	46.8578	10.0	...	...	12.155	+ 19.885	- 5	...	...	...	20.374	+ 32.212	- 5	...	...
...	4.720	+ 21.841	- 5	...	...	...	...	12.182	+ 59.183	- 3	...	...	...	20.482	- 24.107	- 4	...	...
+	4.754	+ 6.240	- 2	46.8579	10.0	...	+	12.218	- 56.653	- 1	...	...	...	+ 20.509	- 24.212	- 4	...	...
...	4.766	- 48.124	1.00	47.8240	9.6	...	...	12.243	+ 40.319	- 5	...	...	*	20.564	+ 21.566	1.00	46.8599	9.6
...	4.798	+ 2.660	- 5	...	...	...	...	12.391	+ 40.461	- 4	...	...	...	20.575	- 39.292	- 5	...	...
...	5.185	+ 3.746	- 5	...	...	*	...	12.583	+ 50.854	1.40	46.8588	8.9	...	20.651	- 47.307	1.00	47.8264	9.9
...	5.423	+ 1.624	1.05	46.8580	9.6	...	...	12.873	+ 30.372	0.65	...	...	...	20.854	- 51.181	1.00	47.8265	10.0
441	+ 5.438	- 27.517	1.00	47.8241	9.6	501	...	+ 12.951	- 15.684	- 5	561	+ 20.868	- 55.824	1.00	47.8266	10.0
...	5.469	+ 22.343	0.90	46.8581	9.8	...	*	13.590	+ 26.955	- 5	...	...	...	20.906	- 54.030	0.95	47.8267	10.0
...	5.520	- 27.290	- 5	...	...	...	...	13.695	+ 20.957	1.20	46.8589	9.3	N	21.046	+ 10.328	- 2	46.8600	9.6
...	5.692	+ 20.817	- 4	...	...	...	...	13.818	- 50.078	- 4	...	...	...	21.109	+ 10.328	0.90	...	...
...	5.889	+ 3.013	0.90	46.8582	9.8	...	...	13.820	+ 32.338	- 2	...	...	...	21.052	- 25.013	- 4	...	...
...	+ 6.097	- 15.585	- 5	...	...	...	+	13.986	- 31.670	- 1	47.8255	10.0	...	+ 21.132	+ 29.421	- 5	...	...
...	6.099	+ 5.028	- 5	...	...	...	...	14.064	+ 36.547	0.85	46.8590	9.8	*	21.273	- 3.137	1.80	47.8268	9.0
...	6.109	+ 7.748	- 3	...	...	...	...	14.186	+ 34.871	- 4	...	...	...	21.329	- 38.664	- 5	a	...
...	* 6.140	- 31.486	1.00	47.8242	9.6	...	...	14.253	+ 40.944	- 4	...	...	*	21.332	- 3.344	1.40	47.8269	9.0
...	6.685	+ 46.563	- 5	...	...	...	...	14.407	+ 45.884	- 5	...	...	...	21.408	- 51.210	0.95	47.8270	10.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		
571-630																			
57 ¹	+21°433	+58°370	-5	o	...	63 ¹	* L	+29°418	-48°803	1°10	o	...	69 ¹	+37°166	+51°966	-3	o	...	
...	21°728	+0°710	0°90	46.8601	10°0	...	29°361	-30°969	0°95	47.8279	10°0	...	...	37°472	-15°324	-5	...	...
...	21°743	+46°842	-5	...	...	...	29°370	-46°081	-4	...	...	...	...	37°541	-43°437	-4	...	...
...	21°759	-26°532	-4	...	...	...	29°385	-17°662	-5	...	...	...	...	37°729	+48°878	-3	...	...
...	21°761	+53°022	-3	...	...	...	29°475	-18°960	-5	...	...	...	...	37°794	-45°894	-5	...	...
...	+21°875	+57°886	-1	46.8602	10°0	...	+29°618	+2°856	-5	...	...	...	...	+37°944	+23°765	-5	...	...
...	22°097	-39°609	-5	...	...	S *	29°632	-35°007	1°80	47.8281	8°4	...	...	37°981	+25°352	-5	...	...
...	22°113	-34°607	-5	...	...	†	29°771	-25°642	0°70	47.8282	10°0	...	...	37°983	+36°555	-1	...	...
...	22°128	+45°461	-5	a	...	...	29°812	-15°562	-4	...	...	...	...	38°014	-43°513	1°00	47.8295	9°8
...	22°169	-26°399	-4	...	...	...	29°836	-27°424	-5	...	...	...	...	38°079	+29°067	-5	...	...
58 ¹	+22°238	-18°915	-2	47.8271	10°0	...	64 ¹	+29°954	+36°730	-3	70 ¹	+38°090	+42°552	1°40	46.8629	8°9
*	22°442	+50°619	2°00	46.8603	8°7	...	30°073	+26°211	-4	...	...	...	...	38°494	-58°175	0°85	47.8296	10°0
...	22°598	-46°685	1°00	47.8272	9°8	...	30°161	-34°568	0°70	...	...	...	...	38°575	-43°663	-5	a	...
...	22°638	+21°824	1°00	46.8604	9°8	...	30°330	-39°735	-5	...	...	...	...	38°655	+44°309	-5	...	...
...	22°758	+28°114	-5	...	...	*	30°504	+3°796	1°10	46.8616	9°4	...	...	38°811	+12°544	-3	...	...
...	+23°100	+22°423	-5	...	...	...	+30°614	+6°139	-5	...	...	...	...	+39°209	-31°935	-1	...	...
...	23°102	+57°501	0°95	46.8605	9°9	...	30°711	-51°918	-4	...	...	...	...	39°491	-15°579	-4	...	...
...	23°419	-32°175	-5	...	...	*	30°823	+54°569	1°30	46.8615	9°2	...	...	39°508	+36°193	-5	...	...
...	23°610	+12°353	-4	...	...	...	30°841	+3°741	-3	...	...	...	...	39°511	-58°424	-1	...	...
...	23°642	-37°990	-5	...	...	†	31°055	-24°945	1°00	47.8283	9°6	...	...	39°567	-57°627	1°00	47.8297	9°8
59 ¹	+23°653	+38°877	-3	*	31°130	-25°434	1°20	47.8284	9°4	71 ¹	+40°001	+29°436	-5
...	23°878	+10°795	-2	...	...	*	31°224	-30°958	1°00	47.8285	9°6	...	...	40°176	+25°536	-5	...	...
...	24°102	-22°463	-3	...	...	*	31°522	-23°867	1°40	47.8286	9°0	*	...	40°275	-49°724	1°60	47.8299	9°0
...	24°144	+9°822	-2	...	...	...	31°584	-31°270	-5	...	...	...	...	40°310	+21°332	-2	...	...
...	24°278	+53°346	-5	...	...	*	31°746	+41°680	1°20	46.8617	9°3	...	...	40°330	+14°210	-4	...	...
+	+24°424	+24°921	1°05	46.8606	9°5	...	+31°836	+16°935	-5	...	...	...	...	+40°459	-19°605	0°80	47.8298	10°0
...	24°459	-12°758	-4	...	...	*	31°838	-26°404	1°05	47.8287	9°6	...	...	40°665	-57°102	1°00	47.8301	9°8
...	24°503	-39°340	0°80	...	...	...	32°021	+19°541	0°80	46.8618	10°0	S *	...	40°679	+42°643	2°00	46.8630	8°7
*	24°887	+10°902	1°10	46.8607	9°6	...	32°169	+4°054	0°85	46.8619	10°0	...	...	40°840	-13°233	0°95	47.8300	9°9
*	24°981	-25°641	1°30	47.8274	9°1	...	32°433	-5°858	-5	...	...	...	...	40°975	-26°340	-5	...	...
60 ¹	+25°138	-7°878	-4	66 ¹	+32°460	-39°005	-4	72 ¹	+41°076	-41°778	-4
...	25°213	-12°360	1°00	47.8275	9°8	...	32°526	+11°778	-5	...	...	...	...	41°437	-41°245	1°00	47.8302	9°5
...	25°431	-59°598	-2	...	...	...	32°638	+23°975	-5	...	...	...	...	41°512	-12°878	-5	b	...
...	25°496	-47°853	-4	...	...	*	32°804	+20°474	1°00	46.8621	9°6	...	...	42°001	+19°355	0°70	...	...
...	25°527	-44°430	1°00	47.8276	9°6	+	32°932	-29°923	1°00	47.8288	9°6	...	...	42°057	-11°535	-5	e	...
S *	+25°555	+53°453	3°80	46.8608	7°4	*	+33°074	+43°984	1°20	46.8620	9°1	...	...	42°116	-3°361	-4	...	...
...	25°644	+49°962	-3	...	...	...	33°294	-4°705	-3	...	...	...	...	42°153	-7°643	-2	...	...
...	25°666	+19°565	0°70	...	...	...	33°450	-4°019	0°85	47.8289	9°9	*	...	42°400	+52°774	1°20	46.8631	9°4
...	25°669	+16°688	-5	...	...	...	34°052	+57°236	0°80	46.8622	9°8	...	...	42°612	-25°424	-5	...	...
...	25°900	+50°522	-5	...	...	...	34°097	-33°458	-4	...	...	...	...	42°678	+8°025	-5	...	...
61 ¹	+26°120	+36°910	-5	67 ¹	+34°573	-36°106	0°75	47.8290	10°0	*	73 ¹	+42°920	-8°619	1°25	47.8303	9°4
...	26°354	+33°231	0°80	46.8609	10°0	...	34°588	-14°552	-4	...	...	...	...	42°961	+11°651	-5	...	...
...	26°406	+11°321	1°00	46.8610	9°9	+	34°718	+19°492	1°00	46.8623	9°6	*	...	43°374	-36°685	1°00	47.8304	9°5	
α*	26°413	+0°345	1°50	46.8611	9°3	*	34°849	+51°275	1°15	46.8624	9°6	...	...	43°561	-8°898	0°70	...	...
...	26°888	+2°213	-5	...	...	*	35°195	-12°712	1°10	47.8291	9°5	...	...	43°573	-24°063	-5	...	...
*	+26°917	+39°638	2°00	46.8612	8°9	...	+35°593	+16°259	0°85	46.8625	9°9	e*	...	+43°576	+0°086	1°30	46.8632	9°2	
*	27°069	-0°721	1°00	46.8614	9°6	...	35°767	+11°117	-5	...	...	...	...	43°622	-12°821	-4	...	...
...	27°076	+5°581	0°90	46.8613	10°0	*	35°842	-17°870	1°30	47.8292	9°1	...	...	43°734	-1°365	-4	...	...
...	27°127	-31°754	-5	...	...	...	36°042	-35°080	-5	...	...	...	...	43°845	-9°191	-2	...	...
...	27°128	+22°817	-3	...	...	...	36°087	+56°708	-4	...	...	...	...	44°131	-34°629	-2	...	...
62 ¹	+27°398	-13°373	-4	68 ¹	+36°370	-2°335	0°95	47.8293	9°9	...	74 ¹	+44°271	-31°984	-3
...	27°659	+17°919	-5	...	...	...	36°445	-33°397	-4	...	...	...	...	44°498	+3°117	-4	...	...
*	27°997	-59°734	1°60	47.8277	9°0	...	36°457	+40°590	0°95	46.8626	9°8	...	...	44°973	+31°189	-5	...	...
...	28°088	-37°152	0°70	47.8278	10°0	...	36°564	+14°276	0°85	46.8628	9°9	...	...	44°979	+14°651	0°85	46.8633	10°0
...	28°113	+4°027	-5	...	...	*	36°581	+42°800	1°05	46.8627	9°6	...	...	45°110	-6°846	-5	...	...
...	+28°323	-31°014	0°70	...	...	*	+36°587	-44°156	1°20	47.8294	9°4	*	...	+45°292	-13°369	1°10	47.8305	9°5
...	28°418	-30°514	-5	...	...	...	36°759	+32°195	-5	...	...	...	...	45°506	+30°548	0°70	46.8634	10°0
...	28°490	+33°798	0°70	...	...	...	36°961	+29°828	-5	...	...	...	...	45°513	+11°054	0°95	46.8635	9°9
...	29°212	-56°748	-5	...	...	...	37°053	+30°651	0°70	...	...	...	...	45°522	-31°490	0°70	...	...
*	29°333	-48°764	1°80	...	...	...	37°152	+3°592	0°65	...	...	...	...	45°673	-26°973	0°65	47.8306	10°0
				47.8280	8°4														

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-5.	No.	Mag.	x.	y.		-5.	No.	Mag.	x.	y.	-5.	No.	Mag.	
751-790																		
751	+45·677	-59·156	- 1	47·8307	10·0		791	+50·595	+23·390	0·90	46·8645	9·8	831	+56·575	+46·734	- 5	0	
...	45·823	-42·344	- 5	...	...		...	50·877	+31·285	- 3	...	...	...	56·980	-12·538	0·70	...	...
...	45·848	+12·650	- 2	...	...		...	50·922	- 8·591	0·85	47·8318	9·8	...	57·373	+39·094	- 4	...	...
...	46·310	-51·340	- 3	...	...		...	51·047	-23·133	- 2	...	...	...	57·461	+57·575	- 3	46·8656	10·0
...	46·509	-34·779	0·80	...	...		...	51·235	+19·533	0·80	46·8646	10·0	...	57·971	-17·033	- 4	...	...
*	+46·706	-3·198	3·80	47·8308	7·2		...	+51·512	-11·688	0·80	47·8319	10·0	...	+57·998	+49·777	- 5	...	...
...	46·806	-8·648	- 5	...	...		...	51·621	+47·679	0·90	46·8647	9·9	*	58·595	+38·648	1·35	46·8657	9·3
...	46·837	-21·535	- 2	...	...		...	51·745	+33·543	0·70	46·8648	10·0	...	58·730	-25·033	- 5	...	...
...	46·941	+30·190	- 4	...	...		...	51·917	-21·471	1·00	47·8320	9·8	...	58·737	+ 1·643	- 5	...	...
...	47·405	+ 2·556	- 2	...	...		...	51·953	+14·719	- 5	...	...	*	59·164	+18·694	1·10	46·8658	9·6
761	+47·429	-17·492	- 5	...	...		801	+52·075	+12·844	0·70	...	...	841	+59·222	+52·824	- 5	...	...
...	47·504	+ 4·777	- 2	...	...		...	52·150	- 2·836	- 2	...	...	...	59·228	-33·011	- 5	...	...
...	47·655	+47·904	- 5	...	...	*	...	52·246	-42·335	1·30	47·8321	9·3	...	59·414	- 7·396	- 1	...	...
*	47·721	-15·179	2·00	47·8309	8·5		...	52·620	-23·209	0·90	47·8322	9·8	+	59·545	-24·652	1·05	47·8328	9·8
*	47·804	+29·163	2·50	46·8636	8·4	*	...	52·632	+25·234	1·00	46·8649	9·6						
...	+47·816	-31·419	- 5	...	...		...	+52·917	+28·034	0·85	46·8650	9·9						
...	48·036	+34·209	0·95	46·8638	9·9		...	53·498	+59·353	1·10	45·8592	9·5						
*	48·054	+ 5·148	1·50	46·8639	9·1	*	...	53·521	+ 7·917	1·20	46·8651	9·4						
...	48·099	-15·364	- 5	...	...		...	53·622	-18·405	- 2	...	...				
...	48·171	-34·472	0·75	...	...		...	53·789	+16·099	0·65	...	...				
771	+48·222	+56·265	- 1	46·8637	10·0		811	+53·949	+ 2·122	- 2	...	...				
...	48·249	-56·655	- 1	47·8313	10·0		...	54·119	-19·888	0·90	47·8323	9·8						
S *	48·317	-51·568	2·00	47·8314	8·8		...	54·225	+25·178	0·65	...	...				
...	48·368	+16·149	- 5	...	...		...	54·283	+11·763	- 4	...	...				
...	48·518	-52·923	1·00	47·8315	9·9		...	54·354	+ 7·133	- 1	...	...				
...	+48·548	-15·764	0·90	47·8311	10·0	*	...	+54·392	+ 7·885	2·40	46·8652	8·3						
*	48·586	+22·003	1·40	46·8640	9·0		...	54·578	-18·637	- 4	...	...				
...	48·737	+39·570	1·00	46·8641	9·8		...	54·778	+33·540	- 4	...	...				
...	48·821	+16·403	1·00	46·8642	9·9		...	54·943	-58·501	1·00	47·8325	9·6						
...	48·856	-59·105	- 5	...	...	*	...	55·157	- 8·241	1·35	47·8324	9·2						
781	+48·983	-19·639	- 4	...	...		821	+55·239	+ 1·469	0·70	46·8654	10·0						
...	49·047	+17·680	- 1	...	...		...	55·279	+33·202	- 5	...	...				
...	49·214	+13·994	0·70	...	...		...	55·300	+ 7·033	0·70	46·8653	10·0						
...	49·428	-53·715	- 3	47·8316	10·0		...	55·457	+30·403	- 5	...	...				
...	49·548	-19·789	0·70	...	...		...	55·462	-41·306	- 1	47·8327	10·0						
*	+49·600	+38·200	- 5	...	...	S *	...	+55·628	+ 3·145	3·95	46·8655	7·4						
*	49·918	+ 7·978	1·50	46·8643	8·8		...	55·652	-43·984	- 1	...	...				
*	49·964	-21·477	- 2	...	...	S *	...	55·815	-17·124	2·90	47·8326	7·7						
...	50·045	-45·295	1·20	47·8317	9·5	...	...	56·349	+ 2·514	- 5	...	...				
...	50·358	+20·753	1·00	46·8644	9·6	...	...	56·520	+ 1·807	- 5	...	...				

1-10				11-20				21-30			
I	-60·105	- 3·643	- 4	...	...	...	-59·764	+ 3·448	- 5	M	...
†	59·997	-46·280	- 4	M	...	...	59·763	+ 0·115	- 5	M	...
...	59·937	- 7·915	0·95	...	...	...	59·742	+11·377	0·75	...	*
...	59·916	-42·087	- 1	...	...	...	59·687	+29·057	- 5	M	...
...	59·911	+ 7·757	- 3	...	...	...	59·671	-24·194	- 4	M	...
...	-59·905	-11·806	- 2	E	...	*	-59·571	-41·539	1·15	47·8302	9·5
...	59·882	-33·819	- 5	M	...	...	59·508	-15·877	- 2	...	...
...	59·870	+56·878	- 5	M	...	...	59·486	+26·644	- 5	M	...
...	59·845	-28·452	- 5	M	...	...	59·437	+33·310	- 5	M	...
...	59·834	-57·417	1·00	47·8301	9·8	...	59·360	+14·791	- 4	...	...
L measured from 1, 198, 372, 543, 721, 898, 1047, 1207, 1363, 1507, 1660, 1811. C	99, 284, 458, 628, 815, 982, 1127, 1293, 1430, 1576, 1735, 1887.										

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
31-90						91-150						151-210						
31	-58°486	-9°130	0°90	o	...	91	,	+55°470	+50°133	-5	°M	...	151	-52°634	+20°723	1°00	46°8644	9°6
...	58°484	+17°203	-5	M	...	*	55°449	+29°048	3°00	46.8636	8°4	*	52°490	+23°367	1°00	46.8645	9°8	
...	58°431	+3°774	-5	M	...	...	55°424	+37°904	-5	M	...	...	52°458	+31°260	0°70	...	...
...	58°421	+31°717	-5	M	...	...	55°424	-12°637	-3	...	...	S *	52°372	-51°640	2°00	47.8314	8°8
...	58°358	+30°978	-2	...	...	...	55°419	-18°625	-4	...	...	...	52°352	-27°996	-4	M	...
...	-58°302	-13°052	0°90	...	...	...	-55°389	+34°093	1°00	46.8638	9°9	...	-52°315	-5°759	-5	M	...
...	58°280	-31°943	-5	M	...	...	55°250	-8°778	0°70	...	...	*	52°286	-56°727	1°15	47.8313	10°0
...	58°204	+2°869	-5	M	...	†	55°165	-42°480	-4	...	...	...	52°273	-51°753	-3	A	...
...	58°194	-39°124	-4	M	...	...	55°044	-3°485	-5	M	...	...	52°252	-55°328	-3	...	...
...	58°182	-9°414	0°90	...	...	...	55°016	+2°446	0°70	...	...	...	52°237	+47°680	1°05	46.8647	9°9
41	101						161						161					
...	-58°170	-27°832	-5	M	...	...	-54°981	+46°403	-5	M	...	...	-52°148	-19°825	0°80	...	...
...	58°101	-4°274	-2	...	...	...	54°978	+4°670	0°70	...	...	*	52°131	-52°987	1°05	47.8315	9°9
...	58°027	+48°428	-5	M	...	...	54°898	+47°898	-5	M	...	...	52°106	-24°002	-5	M	...
...	57°985	-24°297	-2	...	...	*	54°860	+39°470	1°05	46.8641	9°8	...	52°040	-58°161	-5	M	...
...	57°931	+2°902	0°75	...	...	...	54°818	-21°665	0°80	...	...	...	51°998	+26°837	-5	M	...
...	-57°904	+7°717	-5	M	...	...	-54°814	+54°514	-4	...	...	...	-51°862	-4°948	-5	M	...
*	57°819	+14°448	1°00	46.8633	10°0	...	54°812	-48°601	-5	M	...	*	51°727	+19°531	0°95	46.8646	10°0	
*	57°801	+30°347	1°00	46.8634	10°0	...	54°775	-59°299	1°05	47.8307	10°0	...	51°690	-21°499	0°90	...	...
*	57°782	-36°914	1°30	47.8304	9°5	...	54°734	-10°604	-5	M	...	...	51°678	-22°781	-4	M	...
...	57°617	+17°808	-5	M	...	...	54°730	-38°130	-4	M	...	*	51°653	+33°544	1°00	46.8648	10°0
51	111						171						171					
...	-57°497	+6°191	-5	M	...	†	-54°719	-34°903	0°75	...	...	...	-51°604	-59°157	-1	...	...
...	57°465	-33°439	-3	A	...	...	54°594	+37°165	-5	M	...	...	51°590	+59°501	-5	M	...
...	57°440	-33°942	-5	M	...	...	54°482	+16°058	-2	...	...	...	51°586	-58°704	-5	M	...
...	57°334	-36°894	-5	M	...	*	54°440	+5°047	1°40	46.8639	9°1	...	51°340	-11°204	-5	M	...	
...	57°306	+15°512	-5	M	...	*	54°438	+21°917	1°40	46.8640	9°0	...	51°251	-56°205	-5	M	...	
...	-57°199	-15°460	-4	M	...	...	-54°392	-51°473	0°80	...	...	...	-51°224	+41°121	-2	...	...
...	57°180	+7°428	-5	M	...	...	54°348	-17°590	-2	...	...	...	51°201	-53°738	0°80	47.8316	10°0
*	57°174	+10°872	1°00	46.8635	9°9	...	54°226	-41°390	-4	...	...	*	51°133	-8°592	1°00	47.8318	9°8
...	57°139	-9°645	-5	M	...	...	54°194	+28°045	-5	M	...	...	51°078	-12°856	-5	M	...
...	57°113	-6°664	-5	M	...	...	54°171	-33°254	-5	M	...	...	51°053	+4°343	-3	...	...
61	121						181						181					
...	-57°096	-34°834	0°95	...	...	*	-54°129	-15°268	1°60	47.8309	8°5	...	-51°018	+10°547	-5	M	...
...	57°045	+12°101	-5	M	...	*	54°035	+16°323	1°10	46.8642	9°9	...	50°926	-16°291	-5	M	...	
...	57°042	-32°185	0°85	...	...	...	53°972	+38°128	-2	...	...	...	50°845	+14°754	-3	...	...
...	57°008	-7°026	0°70	...	...	...	53°918	+11°090	-5	M	...	...	50°844	-34°258	-5	M	...
...	56°881	+12°478	0°80	...	...	*	53°846	+17°616	0°95	...	...	...	50°835	+29°565	-5	M	...
...	-56°834	+33°812	-5	M	...	...	-53°830	-34°331	-4	M	...	*	-50°834	-45°304	1°40	47.8317	9°5
...	56°808	+30°898	-5	M	...	...	53°827	+6°055	-5	M	...	*	50°734	+59°392	1°30	45.8592	9°5
...	56°751	-28°490	-4	M	...	...	53°752	-15°449	-3	...	...	...	50°726	-20°545	-5	M	...
...	56°723	+46°881	-3	...	...	...	53°749	+16°520	-3	B	...	...	50°718	-23°215	-5	M	...
...	56°658	-29°200	-4	M	...	...	53°684	-36°000	-5	M	...	...	50°662	+36°921	-5	M	...
71	131						191						191					
...	-56°657	+32°579	-5	M	...	†	-53°591	+29°854	-5	M	...	...	-50°601	-15°329	-3	...	...
*	56°605	-13°539	1°30	47.8305	9°5	...	53°566	+13°936	0°80	...	...	...	50°572	+24°456	-3	...	...
...	56°486	-17°203	-5	M	...	...	53°535	-30°069	-5	M	...	...	50°530	-23°122	0°85	...	...
...	56°351	+30°045	-4	...	...	...	53°531	+58°754	-5	M	...	*	50°503	+25°262	1°00	46.8649	9°6
...	56°217	+47°763	-1	...	...	...	53°511	-31°509	0°80	...	...	*	50°456	-11°660	1°00	47.8319	10°0
...	-56°163	+1°077	-4	...	...	...	-53°397	-19°052	-4	M	...	...	-50°418	+40°673	-4	M	...
...	56°161	-6°215	-4	...	...	...	53°364	-43°872	-5	M	...	*	50°322	+28°074	1°00	46.8650	9°9
...	56°160	-7°778	-5	M	...	*	53°277	-15°828	1°00	47.8311	10°0	†	50°092	-2°799	0°85	...	...
...	56°040	+10°769	-5	M	...	...	53°251	+6°823	-4	...	...	...	49°984	+13°028	-5	M	...
...	55°945	-24°639	-4	M	...	...	53°203	+8°904	-3	B	...	...	49°972	+50°166	-5	M	...
81	141						201						201					
...	-55°905	+16°936	-3	...	...	...	-53°184	+27°558	-3	A	...	...	-49°950	+26°346	-5	M	...
...	55°903	+8°111	-5	M	...	...	53°131	-23°880	-5	M	...	...	49°863	-25°561	-5	M	...
...	55°902	+56°136	1°00	46.8637	10°0	...	53°100	+8°056	-4	M	...	...	49°852	-12°804	0°90	...	...
...	55°813	-31°652	0°90	...	...	...	53°068	-34°553	0°90	...	...	...	49°844	+18°722	-5	M	...
...	55°797	-27°127	0°95	47.8306	10°0	...	53°015	+26°284	-5	M	...	*	49°725	-21°434	1°00	47.8320	9°8	
...	-55°769	-49°626	-3	A	...	...	-52°960	+19°069	-5	M	...	...	-49°711	-9°212	-5	M	...
...	55°749	+20°694	-5	M	...	...	52°915	-43°082	-4	M	...	...	49°697	-9°320	-3	...	...
...	55°641	+47°935	-5	M	...	...	52°873	+11°554	-5	...	...	...	49°684	+38°078	-3	...	...
...	55°640	-25°335	-5	M	...	...	52°728	-19°701	0°70	...	...	...	49°663	-9°148	-5	M	...
*	55°498	-3°331	4°00	47.8308	7°2	*	52°672	+7°933	1°40	46.8643	8°8	...	49°651	+23°062	-5	M	...	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	No.	Mag.
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	C.P.D.	
211-270																	
211	-49°642	-20°412	-5	M	...	271	-46°131	+22°661	-5	M	...	331	-42°920	+34°202	-5	°M	...
...	49°595	-20°158	-5	M	...	...	46°087	+2°684	0°70	...	...	...	42°831	+11°761	-5	M	...
...	49°562	+31°672	-5	M	...	...	46°074	-30°931	-4	M	...	...	42°805	-24°776	0°65	...	...
...	49°561	-2°550	-5	M	...	...	46°017	+28°197	-5	M	...	...	42°787	+4°008	-5	M	...
*	49°070	+7°996	1°40	46.8651	9°4	S *	45°953	-16°957	3°00	47.8326	7°7	...	42°730	+1°265	-5	M	...
...	-49°062	+16°170	0°80	...	...	...	-45°914	+49°966	-2	...	...	...	-42°682	-7°121	0°80	...	...
...	48°994	-50°796	-5	M	...	...	45°880	+1°978	-2	...	...	...	42°635	+0°886	-1	...	...
*	48°972	-23°143	1°00	47.8322	9°8	...	45°781	-14°165	-4	...	...	...	42°629	+42°445	-1	...	...
...	48°940	-8°444	-4	...	...	...	45°651	+12°756	-5	M	...	...	42°594	+47°495	-4	M	...
*	48°916	+25°259	1°00	...	...	*	45°545	-41°140	1°00	47.8327	10°0	...	42°503	+24°475	-3	B	...
221	-48°909	-7°475	-4	...	...	281	-45°534	-58°345	1°10	47.8325	9°6	341	-42°483	+18°392	-5	M	...
...	48°752	+19°594	-2	B	...	...	45°287	-43°802	1°00	...	...	...	42°391	+47°534	-5	M	...
*	48°729	-42°274	1°50	47.8321	9°3	†	45°194	+9°206	-5	...	...	...	42°377	-34°074	-4	M	...
...	48°668	+9°495	-2	...	...	...	45°063	-16°336	-3	...	...	...	42°370	+33°648	0°95	46.8661	10°0
...	48°616	+33°634	0°90	...	...	*	44°985	+38°870	1°40	46.8657	9°3	...	42°367	+20°711	-4	M	...
...	-48°534	+18°251	-1	...	...	...	-44°962	-12°337	0°70	...	...	...	-42°337	+14°271	-4	...	...
...	48°503	-38°268	-5	M	...	...	44°947	-23°344	-5	M	...	...	42°268	-41°898	-3	A	...
...	48°499	+4°632	-5	M	...	...	44°934	+6°484	-3	...	...	...	42°228	-29°593	-4	M	...
...	48°457	+2°214	0°90	...	...	...	44°870	-20°757	-5	M	...	...	42°054	-32°736	0°65	...	...
...	48°429	+11°858	0°65	...	...	...	44°843	+51°227	-5	M	...	...	42°004	+18°980	0°65	...	...
231	-48°418	+52°133	-5	M	...	291	-44°818	+53°040	0°85	...	...	351	* -41°999	-24°372	1°15	47.8328	9°8
...	48°343	-56°231	-4	M	...	...	44°736	+43°915	-5	M	...	...	41°943	+28°365	-4	M	...
...	48°305	+13°947	-5	M	...	...	44°728	+28°956	-5	M	...	...	41°850	+58°832	-4	M	...
...	48°272	-42°403	-5	M	...	...	44°676	+36°027	0°75	...	...	...	41°773	-21°632	-5	M	...
...	48°205	+7°241	0°70	...	...	...	44°638	+30°658	-5	M	...	...	41°710	-14°798	-5	M	...
*	-48°183	+7°993	3°00	46.8652	8°3	...	-44°610	+5°195	-5	M	...	...	-41°695	-44°802	-4	M	...
...	48°159	-19°100	-5	M	...	...	44°506	+23°580	-5	M	...	...	41°611	+38°167	-5	M	...
...	48°121	+33°314	0°90	...	...	...	44°486	+40°278	-5	M	...	...	41°577	-33°412	0°90	...	...
...	48°118	-18°313	0°85	...	...	...	44°476	+1°044	-4	...	...	...	41°478	+10°900	-4	M	...
...	47°994	+36°099	-5	M	...	...	44°426	+50°083	-5	M	...	...	41°266	-18°353	-4	M	...
241	-47°978	-18°973	-5	M	...	301	-44°362	-49°245	-4	M	...	361	-41°176	+32°071	-5	M	...
...	47°864	+30°523	-2	...	...	...	44°356	+58°444	0°90	...	...	...	41°098	-19°834	-1	...	...
...	47°781	-30°100	-4	M	...	...	44°332	-13°877	-5	M	...	...	40°836	+59°701	-4	M	...
...	47°628	-15°768	-5	M	...	...	44°314	+26°643	-5	M	...	...	40°807	+30°412	0°65	...	...
...	47°589	+34°162	-5	M	...	...	44°134	+17°990	-5	M	...	...	40°759	+25°812	1°20	46.8663	10°0
*	-47°567	-19°781	1°00	47.8323	9°8	...	-44°130	+31°011	-5	M	...	...	-40°731	-29°335	1°00	47.8329	9°8
...	47°560	-19°345	-5	M	...	...	44°117	+48°063	1°00	46.8659	10°0	...	40°595	-19°492	-2	...	...
...	47°548	-32°447	-5	M	...	...	44°043	-54°005	-4	M	...	...	40°592	+12°591	1°50	46.8662	8°6
...	47°511	+58°610	-5	M	...	...	44°039	+56°045	-5	M	...	...	40°296	-52°861	0°90	...	...
...	47°510	+45°502	-5	M	...	...	44°026	-39°231	-5	M	...	...	40°242	-53°224	-1	...	...
251	-47°397	-3°051	-5	M	...	311	-44°004	+55°073	0°75	...	...	371	-40°225	+3°009	-2	...	...
...	47°262	+7°167	0°90	46.8653	10°0	...	43°941	+37°640	-5	M	...	...	40°100	-39°666	-4	M	...
...	47°255	+46°878	-1	...	...	...	43°914	-53°123	-1	...	...	...	40°006	+12°547	1°10	46.8664	9°6
...	47°255	+21°583	-4	...	...	...	43°831	-16°812	0°65	...	...	...	39°921	+25°510	0°95	...	...
...	47°160	-18°517	0°65	...	...	...	43°794	+24°756	-4	M	...	...	39°914	-44°108	0°75	...	...
*	-47°151	+1°599	1°00	46.8654	10°0	...	-43°791	-1°024	-4	...	...	...	-39°894	-55°851	-4	...	...
...	46°925	+56°697	-5	M	...	*	43°788	+18°949	1°20	46.8658	9°6	...	39°893	+15°057	-1	...	...
...	46°923	+28°986	-5	M	...	...	43°733	+10°330	-2	...	...	...	39°820	-13°543	0°70	...	...
*	46°910	-8°098	1°60	47.8324	9°2	...	43°732	-35°129	-4	M	...	...	39°765	+38°337	0°90	...	...
...	46°900	-28°069	-5	M	...	...	43°711	+49°726	-4	M	...	...	39°754	+30°452	1°05	...	...
S *	-46°784	+3°297	4°60	46.8655	7°4	...	-43°666	+7°448	-5	M	...	381	-39°656	+27°444	0°95	...	...
...	46°723	+57°742	1°05	46.8656	10°0	...	43°658	+1°891	-3	...	...	...	39°629	-42°132	1°00	47.8330	9°8
...	46°353	-24°621	-4	M	...	...	43°604	-27°496	-5	M	...	...	39°621	+26°387	0°95	...	...
...	46°328	+50°522	-5	M	...	...	43°595	+28°841	-4	M	...	...	39°588	-2°721	0°70	...	...
...	46°317	-19°630	-5	M	...	...	43°528	+53°549	-2	...	...	...	39°555	-18°126	-4	M	...
...	-46°220	+39°279	0°95	...	*	-43°383	+36°176	1°00	46.8660	10°0	*	-39°450	+33°285	1°00	...	...
...	46°196	-50°551	-5	M	...	...	43°240	+24°288	-5	M	...	...	39°441	-59°728	-5	M	...
...	46°176	+56°796	-1	...	...	...	43°116	+50°524	-5	M	...	...	39°391	-58°052	-3	...	...
...	46°152	+37°431	-4	M	...	...	43°067	-12°405	-5	M	...	*	39°378	+42°957	0°95	...	...
...	46°137	+34°471	-5	M	...	...	43°031	+42°270	-3	B	...	...	39°336	+55°364	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
391-450																	
39 ¹	-39°33'2	+18°97'	-5	M	...	45 ¹	-35°39'3	+17°99'8	-5	M	...	51 ¹	-32°36'9	+24°64'3	-3
...	39°13'9	-48°06'5	-5	M	...	*	35°33'5	-40°97'7	1°00	32°27'4	-13°57'3	-4
...	39°11'0	+39°54'6	-5	M	...	35°31'0	-21°35'8	-3	...	...	...	32°26'9	-7°22'9	-5	M	...
*	39°09'6	+33°43'8	2°00	46.8665	8·7	*	35°30'1	+35°85'1	1°50	46.8669	9·1	*	32°16'9	+53°35'1	1°35	46.8675	9·4
...	39°09'2	-23°10'0	-4	M	...	35°29'2	+17°98'6	-5	M	...	...	32°14'0	-15°73'0	-3	...	...
...	-38°86'6	+27°49'5	-5	M	...	-35°28'8	+9°19'5	0°90	...	...	*	-32°01'8	-48°97'3	1°00	...	...
...	38°84'2	-10°85'0	-5	M	...	35°20'7	+22°39'5	-5	...	...	...	31°92'3	+20°20'2	-5	M	...
...	38°74'8	+53°17'6	-5	M	...	35°13'5	-50°23'6	-3	A	...	...	31°68'8	-27°69'0	-5	M	...
†	38°66'0	+44°87'1	-4	M	...	35°05'3	+26°76'9	1°15	46.8671	9·8	...	31°60'8	+55°63'5	-4	M	...	
...	38°61'2	+30°95'4	-5	M	...	35°04'4	+5°67'2	-4	M	...	...	31°56'4	+10°55'3	0·65	...	...
40 ¹	-38°57'1	+27°94'3	-5	M	...	46 ¹	-34°98'1	-14°34'8	0°70	52 ¹	-31°54'9	+23°07'5	3°80	46.8676	7·4
...	38°53'8	+35°59'7	-4	M	...	34°93'0	+29°07'4	-1	...	...	...	31°39'1	+0°62'7	0·65	...	...
...	38°53'2	+34°41'6	-4	M	...	34°85'8	+59°24'8	-5	M	...	...	31°37'2	+30°84'3	-5	M	...
...	38°50'9	+45°09'3	-5	M	...	34°84'6	-50°28'3	1°00	...	...	...	31°36'1	-28°66'7	-3	A	...
...	38°50'0	+10°91'2	0°70	...	...	34°60'0	-32°39'9	0°65	...	...	...	31°35'0	+18°09'6	-5	M	...
...	-38°31'9	+51°30'2	-4	M	...	-34°51'6	+18°30'0	0°90	...	...	...	-31°31'5	+23°20'7	-5	M	...
*	38°20'4	-5°09'0	1°10	47.8331	9·8	...	34°49'3	+29°11'5	-5	M	31°28'3	+15°76'5	-4	M	...
...	38°15'1	-42°63'9	-5	M	...	34°47'6	-35°35'7	-3	C	...	...	31°27'0	-27°48'3	-3	...	...
...	38°12'6	-11°61'2	-5	M	...	34°37'3	-14°50'2	-5	M	...	...	31°25'5	-26°63'8	-5	M	...
...	38°02'1	-40°53'1	-5	M	...	34°36'2	+25°13'0	-5	M	...	...	31°25'5	-44°10'1	-5	M	...
41 ¹	-38°01'7	-36°17'0	-3	A	...	47 ¹	-34°33'1	+47°14'6	-5	M	...	53 ¹	-31°05'6	+12°43'1	-5	M	...
...	37°94'4	-27°97'4	-5	M	...	34°23'4	-18°23'6	-5	M	...	...	30°96'2	+53°85'5	-5	M	...
...	37°91'2	+57°26'0	-4	M	...	34°17'4	+41°61'3	0°70	...	...	*	30°94'8	+37°54'4	1°00	46.8677	9·8
...	37°85'0	+7°57'1	0°70	...	...	34°15'4	+29°72'6	-3	...	...	...	30°79'2	+18°13'5	-5	M	...
...	37°81'1	+30°37'2	-2	...	...	34°12'0	+33°50'4	-5	M	...	*	30°73'6	-54°26'8	1°00	...	...
...	-37°80'4	+39°23'8	-3	...	...	-34°11'4	+33°85'3	-4	M	...	...	-30°73'3	+40°17'5	-5	M	...
...	37°79'1	+25°38'3	-5	M	...	34°09'3	+21°87'1	1°10	46.8672	9·6	†	30°72'7	-54°90'8	0·65	...	...
...	37°76'3	-46°61'7	-5	M	...	34°08'2	-47°29'2	1°00	...	...	*	30°70'6	-45°41'2	1°20	47.8332	9·6
...	37°71'6	+28°17'3	-4	M	...	34°08'1	-12°18'9	-1	...	...	...	30°64'8	+45°55'6	-5	M	...
*	37°59'5	+54°93'2	1°30	46.8666	9·8	*	34°02'0	+34°61'2	1°25	46.8673	9·3	...	30°45'1	+29°80'1	-4
42 ¹	-37°57'0	-13°97'6	-5	M	...	48 ¹	-33°98'7	+31°52'1	-5	M	...	54 ¹	-30°41'1	+45°96'1	0°70
...	37°29'8	-53°80'1	-5	M	...	33°97'3	-39°67'0	-3	A	...	...	30°32'0	+54°27'5	-5	M	...
...	37°21'7	+40°84'0	-5	M	...	*	33°90'1	+54°90'3	1°40	46.8674	9·5	†	30°20'8	-39°52'2	0·90
...	37°15'2	-47°35'5	-5	M	...	33°88'8	+37°58'9	0°65	...	...	...	30°17'0	+49°36'5	-5	M	...
...	37°13'9	-39°47'6	0°70	...	...	33°88'8	-47°67'3	0°75	...	...	...	30°15'6	-10°20'8	-2	...	...
...	-37°04'3	-32°65'4	-4	...	...	-33°84'3	+1°74'8	0°65	...	...	...	-30°15'0	+27°26'0	0·80	...	...
...	36°85'3	+11°48'7	-5	...	...	33°78'6	+14°15'3	-3	...	...	...	30°02'4	-57°27'1	-4	M	...
...	36°82'4	-24°04'6	0°75	...	...	33°77'1	-8°27'2	0°80	...	...	...	29°96'9	+39°76'1	0·90	...	...
...	36°76'7	-51°71'3	-5	M	...	33°74'3	-47°85'1	-5	M	...	...	29°88'1	+30°32'9	0·95	...	...
...	36°72'9	+40°83'9	-5	M	...	33°73'8	-23°26'8	-5	M	...	*	29°80'3	-34°83'4	1°90	47.8333	8·9	
43 ¹	-36°71'8	-0°43'2	-5	M	...	49 ¹	-33°66'8	-8°97'1	0°70	55 ¹	-29°80'2	+10°45'3	0·65
...	36°55'0	-30°83'4	0·65	...	...	33°64'3	-27°42'1	-4	...	...	...	29°65'5	-38°79'3	-4	...	...
...	36°50'6	+35°63'6	-4	...	...	33°36'5	+42°17'2	-5	M	...	...	29°62'0	-41°49'2	0·75	...	...
...	36°38'1	-11°84'8	-2	...	...	33°32'4	+37°80'5	0°90	...	...	...	29°61'9	+44°98'3	-2	...	...
...	36°23'2	-14°28'4	-5	M	...	33°30'3	+50°38'5	-5	M	...	...	29°55'6	+42°46'7	-5	M	...
*	36°19'1	+41°62'7	1°00	46.8667	9·8	...	-33°29'4	+34°98'9	-4	M	-29°47'2	+23°79'8	-5	M	...
...	36°17'4	+27°84'1	-3	...	...	33°23'6	-4°92'6	-4	...	...	...	29°45'0	-21°26'7	-5	M	...
...	36°03'9	+36°90'2	-5	M	...	33°21'6	+55°46'5	-4	M	...	*	29°44'2	-51°93'2	1°00	...	...
...	35°85'3	-32°56'5	-2	...	...	33°01'9	+45°90'3	-5	M	...	...	29°37'0	-13°94'6	-5	M	...
...	35°78'5	-12°55'6	-5	M	...	33°01'5	+26°67'4	-5	M	...	*	29°26'4	+55°62'5	1°20	46.8678	9·2	
44 ¹	* -35°75'2	+30°23'6	1°00	50 ¹	-32°86'2	+2°49'6	-4	M	...	56 ¹	-29°25'6	+56°01'9	-1
...	35°69'6	+4°53'1	-5	M	...	32°79'6	+37°01'7	-5	M	...	...	29°20'5	-47°63'0	-5	M	...
...	35°60'2	+47°78'5	-5	M	...	32°72'8	+52°50'7	1°00	...	...	...	29°19'1	+13°09'5	0·70	...	...
...	35°52'2	-47°85'1	-5	M	...	32°66'9	+41°86'7	-2	...	...	...	28°93'9	-21°25'2	-4	...	...
...	35°51'7	+15°73'1	-5	M	...	*	32°57'4	-35°60'0	1°05	*	28°92'2	-36°60'0	1°00
*	-35°50'5	+39°37'3	1°10	46.8668	9·4	...	-32°51'5	+19°59'4	0°70	...	...	-28°89'5	+57°19'3	-5	M	...
*	35°47'3	+53°97'6	1°25	46.8670	9·4	...	32°48'5	+30°68'7	1°00	...	...	28°80'5	-39°10'1	0·75	...	...
...	35°45'6	-39°71'4	-5	M	...	32°48'1	+15°10'7	-5	M	...	...	28°76'5	+33°64'8	-5	M	...
...	55°64'0	+55°75'6	-4	...	...	32°41'5	-14°14'0	-5	M	...	...	28°69'4	-20°65'7	-2	...	...
...	55°49'8	-3°78'0	-3	A	...	32°39'4	+58°79'2	-5	M	...	...	28°68'8	-46°83'5	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-2.	No.	Mag.	x.	y.		-2.	No.	Mag.	x.	y.	-2.	No.	Mag.			
571-630																				
571	-28·610	+ 1·963	- 5	° M	-24·936	+33·238	0·85	°	691	-21·841	+ 8·359	1·00	°	
...	28·554	+48·606	- 3	...	...	...	24·916	-53·302	- 5	M	...	*	21·834	+ 6·174	1·20	46·8685	9·8	...
...	28·437	- 5·668	- 5	...	...	*	24·879	-57·947	1·00	...	...	*	21·798	-27·609	1·20	47·8336	9·8	...
...	28·430	+51·298	- 3	A	...	...	24·829	+12·379	0·70	...	...	...	21·687	+18·925	0·70	...	...	...
...	28·416	+38·867	0·90	...	...	...	24·726	+ 9·996	- 5	M	...	...	21·568	-29·542	- 4	...	...	...
...	-28·329	+34·133	- 5	M	...	...	-24·723	+33·671	0·70	...	...	...	-21·541	+59·739	- 5	M	...	...
...	28·301	+25·011	- 4	M	...	S *	24·719	-30·905	- 5	M	...	...	21·445	+53·499	- 1	...	...	...
...	28·100	+35·944	0·80	...	...	...	24·677	- 3·803	- 3	...	...	...	21·386	+50·791	- 5	M	...	...
...	28·067	+57·895	- 5	M	...	...	24·622	+45·527	- 3	B	...	...	21·353	-12·942	0·80	...	...	...
...	28·007	+33·457	0·80	...	...	...	...	...	...	...	...	...	21·284	-56·738	- 3	A	...	...
581	-28·007	-32·784	- 4	641	-24·571	+48·325	- 5	M	701	-21·269	-20·681	- 1	
*	27·922	-31·646	1·00	24·565	+54·528	- 5	M	21·225	-38·673	0·90	
...	27·905	+36·408	- 5	M	...	...	24·561	- 0·820	- 4	M	...	*	21·189	+58·661	1·00	...	...	...
...	27·822	+12·256	- 5	M	...	...	24·533	-13·818	1·00	...	...	...	21·180	+ 7·393	- 3	...	...	...
...	27·751	+34·969	- 4	M	...	*	24·526	-45·125	1·00	...	...	...	21·171	-34·860	- 5	M	...	...
...	-27·643	+44·075	- 5	M	...	...	-24·495	+ 7·513	- 3	...	...	...	-21·133	-37·015	- 5	M	...	...
*	27·571	+27·318	1·05	46·8679	9·6	...	24·488	- 6·892	- 5	M	...	...	21·116	+ 1·324	- 5	M	...	...
...	27·452	+41·129	- 4	M	...	...	24·396	+58·322	- 1	...	...	...	21·105	+22·913	0·70	...	...	...
...	27·366	+45·709	- 4	M	...	...	24·390	+17·977	- 5	M	...	...	21·014	-20·755	0·95	...	...	...
...	27·355	+30·059	- 4	M	...	...	24·329	+49·280	0·90	...	...	...	20·877	-48·663	0·80	...	...	...
591	*	-27·318	-16·068	1·30	47·8334	9·6	...	24·181	+31·626	0·65	711	-20·868	+28·053	1·00	46·8686	9·8	...	
...	27·191	+53·860	- 2	...	...	...	24·133	+40·883	0·70	...	...	*	20·828	+30·707	1·15	46·8687	9·8	...
...	27·159	-20·206	- 5	M	...	†	24·113	-44·957	- 1	...	...	...	20·712	-32·823	- 5	M	...	...
...	27·147	-16·890	- 5	M	...	...	24·076	- 1·075	- 3	...	...	...	20·599	-57·216	0·70	...	...	...
...	27·087	-21·894	- 5	...	...	...	24·063	+53·852	- 4	M	...	...	20·478	-45·539	- 3	...	...	...
...	-27·082	-50·455	- 2	...	...	†	-23·960	+49·786	0·80	...	...	*	-20·473	+31·429	1·20	46·8688	9·5	...
...	27·076	-21·422	- 5	...	...	...	23·956	-47·454	0·70	...	...	...	20·439	+42·171	0·90	...	...	...
...	26·996	+18·578	- 5	M	...	...	23·894	+ 8·719	- 5	...	...	...	20·416	-22·866	0·90	...	...	...
...	26·931	+31·408	- 5	M	...	...	23·788	-34·203	- 3	...	...	...	20·409	-18·832	- 5	M	...	...
...	26·923	+43·104	- 5	M	...	...	23·779	-39·222	- 5	M	...	...	20·315	-57·540	0·90	...	...	...
601	...	-26·812	-17·041	- 3	-23·764	- 4·978	0·90	721	-20·063	+37·828	- 4	M	
...	26·740	+ 0·980	- 5	M	...	...	23·758	+16·093	- 5	M	...	...	19·947	- 1·790	- 5	...	...	...
...	26·734	+11·099	- 5	...	...	...	23·691	+27·983	- 1	...	...	...	19·933	-41·310	- 5	M	...	...
*	26·698	-23·280	1·00	...	...	...	23·629	-58·717	- 2	...	...	...	19·880	- 6·137	- 5	M	...	...
...	26·638	-20·897	- 5	M	...	*	23·565	+52·841	1·40	46·8684	8·8	...	19·807	+33·611	- 5	M	...	...
...	-26·623	- 6·397	- 5	...	...	...	-23·485	-35·970	- 5	M	...	...	-19·735	-39·625	- 1	...	...	...
...	26·518	+31·865	0·70	...	...	*	23·443	+18·973	1·30	46·8683	9·5	*	19·695	+16·891	1·00	46·8689	9·8	...
...	26·513	+28·024	- 5	M	...	...	23·353	+28·365	0·70	...	...	...	19·619	+ 9·856	- 4	...	...	...
...	26·484	-16·731	- 5	...	...	...	23·276	+28·630	- 5	M	...	...	19·604	+56·608	- 5	M	...	...
*	26·435	+ 4·405	3·00	46·8680	8·2	...	23·204	-41·339	0·70	...	...	...	19·578	+22·474	0·85	...	...	...
611	...	-26·402	-31·085	- 1	-23·201	-10·943	- 4	731	-19·571	-55·504	- 5	M	
...	26·281	-55·567	- 4	M	...	...	23·140	-52·442	- 5	M	...	...	19·534	+58·009	- 5	M	...	...
...	26·207	+31·452	0·70	...	...	*	23·119	- 3·048	1·00	47·8335	9·8	...	19·496	+48·799	- 4	M	...	...
*	26·096	+46·715	0·90	...	...	†	22·970	-34·970	- 5	...	...	*	19·424	+47·952	1·30	46·8691	9·4	...
...	25·995	+24·285	- 5	M	...	...	22·869	-30·703	- 5	M	...	...	19·389	+38·947	- 5	M	...	...
*	-25·893	+ 2·095	1·35	46·8681	9·4	...	-22·850	+ 0·392	- 3	...	...	...	-19·278	+20·103	- 5	M	...	...
...	25·885	+17·294	- 5	M	...	...	22·831	+56·595	- 5	M	...	*	19·253	+32·434	1·25	46·8690	9·3	...
...	25·861	+23·537	0·70	...	...	...	22·757	+42·483	- 5	M	...	...	19·186	-44·352	- 2	...	...	...
...	25·822	-16·659	- 3	...	...	...	22·721	-36·447	0·70	...	...	...	19·178	+20·260	- 3	...	...	...
...	25·741	+30·463	- 5	...	...	...	22·629	+ 3·085	- 5	M	...	...	19·059	+24·034	- 4	...	...	...
621	...	-25·666	-32·058	- 5	M	-22·560	+36·623	- 5	M	...	741	S *	-19·039	- 4·060	1·80	47·8338	9·0	...
...	25·371	+50·589	- 5	M	...	...	22·442	+35·558	0·65	...	...	...	19·005	+11·098	- 3	...	...	...
†	25·368	+54·860	- 4	...	...	...	22·366	+53·046	- 5	M	...	...	18·997	+26·692	- 4	...	...	...
...	25·331	-16·476	- 4	...	...	...	22·227	+53·699	- 5	M	...	...	18·964	+36·617	- 5	M	...	...
†	25·320	+36·324	1·00	...	...	...	22·195	+31·005	- 2	...	...	...	18·948	-46·764	0·95	...	...	...
...	-25·289	+55·413	- 3	...	...	...	-22·128	-34·746	- 4	...	...	...	-18·866	+36·664	- 4	M	...	...
†	25·219	-22·713	0·70	...	...	...	22·065	+ 5·677	- 5	...	...	...	18·793	-10·891	- 4	...	...	...
...	25·200	-29·681	- 4	M	...	...	22·003	+28·801	- 3	...	...	...	18·766	-53·777	- 5	M	...	...
...	25·031	-51·081	- 5	M	...	...	21·950	+26·939	- 1	...	...	...	18·749	-32·670	- 5	M	...	...
...	24·976	- 5·734	- 5	M	...	...	21·936	+47·656	- 5	M	...	...	18·718	-27·503	- 4	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
751-810																		
751	-18°699	+44°715	-5	M	...	811	-15°524	+10°624	-5	o	...	871	-11°774	-9°379	-5	...	...
*	18°650	-15°784	1°05	47.8339	9°6	*	15°490	-11°898	1°20	...	...	...	11°768	+56°254	-5	M	...
...	18°588	-47°051	-3	...	...	*	15°399	-11°898	1°20	47.8342	9°3	...	11°761	+29°619	-5	M	...
...	18°508	+31°591	-4	M	...	...	15°385	-32°980	0°65	...	...	...	11°723	+30°707	0°85	...	...
...	18°485	+52°811	-4	M	...	*	15°066	-12°272	1°00	...	...	...	11°713	+45°753	-3	B	...
...	-18°452	-32°836	0°75	...	...	*	15°038	-55°937	-1	...	...	...	-11°606	+45°637	-1	...	...
...	18°396	+48°179	1°00	...	...	...	14°975	+58°239	-4	...	...	*	11°547	-4°505	1°35	47.8346	9°3
...	18°367	+5°190	-5	M	...	...	14°934	+22°083	0°70	...	...	...	11°500	+0°318	-4	M	...
*	18°356	+5°551	1°30	46.8692	9°2	...	14°897	+32°070	-5	M	...	...	11°483	-53°231	-5	M	...
...	18°308	-34°043	-5	M	...	*	14°860	-17°071	1°00	47.8343	9°8	...	11°451	-52°199	-5	M	...	
761	-18°202	-41°562	-5	M	...	821	-14°852	+32°822	-4	...	...	...	-11°418	-37°605	-3	...	...
...	18°197	-52°974	-5	M	...	...	14°672	+54°625	-5	M	...	...	11°300	+14°283	-2	...	...
...	18°129	+0°057	-5	M	...	*	14°477	-17°052	1°30	47.8344	9°0	...	11°282	+11°729	-5	M	...	
...	18°105	-35°220	0°80	...	...	...	14°404	+40°932	-5	M	...	...	11°269	-27°763	-4	...	...
...	18°075	-31°239	-5	...	...	...	14°286	-44°595	-5	M	...	...	11°253	+28°448	-3	...	...
*	-17°899	+24°315	1°00	...	...	...	-14°242	+41°284	-1	...	...	...	-11°214	+48°819	0°70	...	...
...	17°889	+1°511	-5	M	...	...	14°188	+44°925	0°90	...	...	...	11°147	-4°101	-2	...	...
...	17°873	-11°311	-2	...	...	*	13°975	+33°864	1°05	46.8693	9°8	...	11°113	-45°727	0°95	...	...
...	17°778	+55°107	-4	M	...	...	13°922	+53°303	-5	M	...	...	10°982	-49°209	-5	M	...
...	17°723	-36°755	0°75	...	...	...	13°867	-49°423	-5	M	...	...	10°836	+51°832	-5	M	...
771	-17°610	+57°313	-5	M	...	831	-13°852	-58°065	-4	891	-10°824	+23°106	1°00
...	17°398	-8°463	-1	...	...	...	13°817	+42°070	-5	M	...	...	10°549	-41°894	-5	M	...
...	17°242	+26°234	-4	...	...	...	13°817	+13°390	-5	...	...	*	10°540	-27°714	1°35	47.8347	9°2
...	17°201	-1°543	-4	...	...	...	13°809	+35°260	-5	M	...	...	10°534	+35°768	-4	...	...
...	17°120	+52°656	-4	M	...	...	13°802	-25°454	-4	...	...	...	10°459	-1°902	-5	...	...
...	-17°097	-25°158	-5	M	...	...	-13°799	+30°763	-5	...	...	...	-10°453	+48°957	0°75	...	...
...	17°085	+44°931	-4	M	...	...	13°627	-27°130	-5	M	...	...	10°346	-42°431	-1	...	...
...	17°067	+21°860	-2	...	...	...	13°581	-23°263	-5	M	...	*	10°205	+31°780	1°30	46.8696	9°1
...	17°046	+49°334	-5	M	...	*	13°418	+57°861	1°30	46.8694	9°3	...	10°157	-32°962	-4	...	...
...	17°035	-50°047	-4	...	...	*	13°379	-10°358	1°25	47.8345	9°4	...	10°067	+33°128	0°90	...	...
781	-16°918	-4°741	-5	841	-13°371	-59°034	-5	M	901	-10°061	+32°831	-4
...	16°875	+56°531	-5	M	...	...	13°265	-31°453	-3	...	...	...	10°006	+36°102	-5	M	...
...	16°864	-54°156	-5	M	...	...	13°148	+21°896	-5	...	...	*	9°964	+31°112	1°30	46.8697	8°9
...	16°849	-29°883	-4	...	...	*	13°091	+39°642	1°00	...	...	...	9°939	-11°965	-3	...	...
...	16°837	-53°970	-5	M	...	...	13°079	+41°355	-5	M	...	...	9°925	+36°856	-4	...	...
*	-16°634	-46°635	-4	M	...	*	-13°078	+55°533	2°00	46.8695	8°5	†	-9°876	-44°961	-4	...	...
*	16°613	-55°289	1°00	47.8340	9°5	...	13°054	+44°724	-5	M	...	...	9°823	+52°071	-5	M	...
...	16°579	+9°374	-5	M	...	...	13°049	-25°625	-5	M	...	...	9°774	+15°458	-4	...	...
*	16°525	+23°553	-5	M	...	...	12°944	+32°070	-4	M	...	*	9°710	+14°734	1°05	46.8698	9°8
*	16°503	+16°149	0°95	...	...	...	12°943	+46°795	-5	M	...	...	9°641	-53°517	-3	...	...
791	-16°502	+37°686	0°70	851	-12°761	-43°691	1°10	911	-9°605	-32°690	-5	M	...
...	16°492	+43°830	0°90	...	...	...	12°644	+34°297	0°90	...	...	*	9°574	+55°598	1°00	...	...
...	16°414	+36°144	-5	M	...	...	12°554	+4°752	-5	...	...	*	9°550	-47°733	1°15	47.8348	9°8
...	16°377	+4°707	-5	...	...	...	12°525	-17°197	-5	...	...	...	9°488	-14°884	-4	...	...
...	16°350	+55°171	1°00	...	...	...	12°505	-16°808	-5	...	...	...	9°403	-26°203	-4	...	...
...	-16°308	-51°457	-5	M	...	...	-12°493	+55°431	-5	M	...	...	-9°402	+22°185	-5	M	...
...	16°280	-21°648	-5	M	...	...	12°407	+45°915	0°70	...	...	...	9°345	+52°805	-5	M	...
...	16°260	-23°944	-5	...	...	...	12°438	+31°962	-5	...	...	...	9°287	-41°833	-3	...	...
...	16°172	-40°837	-3	...	...	...	12°431	-57°530	0°75	...	...	†	9°244	-54°956	-4	M	...
...	16°006	+28°312	-5	...	...	...	12°369	-40°029	-2	...	...	...	9°116	+21°252	-3	...	...
801	-15°965	+35°482	-4	M	...	861	-12°330	-48°122	-4	M	921	-9°064	+33°353	-5	M	...
...	15°891	+53°237	-4	M	...	...	12°323	+17°965	-4	...	...	...	9°008	-22°748	-4	...	...
...	15°889	+30°115	-5	M	...	...	12°141	+26°019	-5	M	...	*	8°910	+10°840	1°80	46.8699	9°1
*	15°872	-24°014	1°40	47.8341	9°4	...	12°096	-4°136	-5	M	...	...	8°784	+30°830	0°90	...	...
...	15°843	-59°165	-5	M	...	...	12°056	+39°651	-5	M	...	...	8°703	-22°907	-1	...	...
...	-15°780	-50°168	0°70	...	...	...	-12°051	+58°514	-2	...	...	*	-8°657	+7°407	1°00	46.8701	9°8
...	15°772	+8°509	-5	...	...	...	12°038	-26°046	-5	...	...	...	8°599	+5°210	-5	...	...
...	15°752	+11°314	-5	M	...	...	12°005	-51°685	-4	...	...	*	8°595	+11°615	1°10	46.8700	9°6
...	15°728	-1°314	-3	...	...	...	11°904	-41°471	-5	M	...	...	8°542	+34°002	-5	M	...
...	15°712	+23°767	-5	...	...	...	11°866	+34°555	0°70	...	...	...	8°530	+16°352	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
931-990																		
93 ¹	- 8·192	- 27·526	- 4	o	...	99 ¹	- 4·617	+ 42·293	- 5	M m	...	105 ¹	- 0·040	+ 55·209	1·00	o	...	
*	8·183	+ 14·621	1·15	46.8702	9·4	...	4·617	+ 30·766	- 1	...	...	...	+ 0·153	+ 46·452	- 4	...	...
...	8·181	+ 53·822	- 5	M	...	...	4·578	+ 7·964	0·65	...	...	...	0·154	- 51·947	- 5	M m	...
*	8·172	+ 25·565	1·20	46.8703	9·6	...	4·539	- 48·782	- 5	M	...	...	0·258	- 45·574	0·90	...	...
...	8·119	+ 46·826	- 5	M	...	...	4·496	+ 57·799	- 5	M m	...	...	0·273	- 54·049	- 4	M m	...
-	8·081	+ 26·437	- 2	...	...	-	4·414	- 48·049	- 4	M	...	...	+ 0·277	- 58·820	0·65	...	...
...	7·966	+ 29·346	- 5	M m	...	...	4·271	+ 52·283	0·80	...	...	...	0·305	+ 41·805	- 4	...	...
...	7·857	- 6·035	- 2	...	...	...	4·238	- 45·329	0·65	...	...	...	0·372	- 11·906	- 5	...	...
...	7·833	+ 26·623	- 5	M	...	*	4·096	+ 12·661	1·20	46.8706	9·5	...	0·385	+ 36·903	- 5	M m	...	
...	7·779	+ 51·408	- 5	M m	...	...	3·949	- 53·630	- 5	M m	...	...	0·388	+ 35·658	- 5	M m	...
94 ¹	-	7·761	+ 38·776	- 5	M m	3·670	+ 35·839	0·90	46.8707	9·8	...	+ 0·423	- 48·387	- 5	M	...
...	7·668	- 17·385	- 4	...	...	...	3·665	+ 36·733	0·70	...	...	*	0·430	+ 38·356	1·00	...	...
...	7·577	- 33·309	- 5	...	...	...	3·653	- 55·245	0·70	...	...	...	0·452	- 40·096	- 5	...	...
*	7·576	+ 7·220	1·30	46.8704	9·3	†	3·645	- 24·917	1·40	47.8350	8·8	...	0·557	- 57·544	0·85	...	...
*	7·559	+ 58·123	1·00	...	...	...	3·501	+ 20·587	- 1	...	...	...	0·586	+ 53·633	0·95	...	...
-	7·514	+ 56·348	- 4	M	...	*	3·158	+ 54·418	1·00	...	...	...	+ 0·629	- 32·598	- 1	...	...
...	7·491	+ 11·574	- 5	...	...	...	3·136	+ 41·805	- 5	M m	...	...	1·039	+ 51·325	0·90	...	...
...	7·449	- 56·995	- 5	M	...	...	3·129	- 10·318	- 5	...	...	...	1·051	+ 48·816	- 4	...	...
...	7·404	- 39·823	- 5	M	...	*	3·127	- 48·465	1·20	47.8351	9·8	...	1·079	- 26·440	- 5	...	...
...	7·365	+ 51·350	- 5	M m	...	...	3·065	- 13·947	- 5	...	...	...	1·137	+ 2·905	- 5	M m	...
95 ¹	-	7·261	+ 40·681	- 5	M m	3·034	- 19·108	- 5	M	1·154	+ 7·062	- 4
...	7·229	+ 22·458	- 1	...	...	†	2·805	- 44·900	- 3	...	...	*	1·204	+ 12·162	2·00	46.8709	9·0
...	7·226	+ 47·483	0·80	...	...	*	2·763	- 8·820	1·15	47.8352	9·6	...	1·216	+ 13·562	- 5	M m	...
...	7·217	+ 29·566	- 3	...	...	...	2·713	+ 48·814	- 5	M m	...	...	1·273	+ 30·633	- 5	...	...
...	7·198	+ 46·523	- 4	...	...	...	2·685	+ 31·202	0·80	...	...	...	1·390	+ 26·846	- 4	...	...
-	7·173	- 27·242	- 5	...	...	...	2·628	+ 51·191	- 5	...	...	...	+ 1·495	+ 42·806	- 4	...	...
...	6·881	+ 23·908	0·70	...	...	...	2·610	+ 42·082	- 5	M m	...	...	1·669	+ 57·202	0·90	...	...
...	6·868	- 14·584	- 5	M	...	...	2·572	- 40·612	- 3	...	...	...	1·752	+ 47·038	- 5	M	...
...	6·857	+ 11·108	- 5	M	...	...	2·539	- 41·147	- 3	...	...	...	1·755	- 12·127	- 4	...	...
...	6·588	- 0·224	- 5	...	...	...	2·354	- 17·883	0·90	...	...	S *	1·780	- 29·651	2·00	47.8354	8·6
96 ¹	-	6·584	+ 22·115	- 5	M m	2·315	+ 25·309	- 5	M m	+ 1·828	- 28·967	- 5
...	6·543	- 15·116	- 4	...	...	...	2·156	+ 48·185	- 5	M m	...	...	1·837	+ 41·504	0·85	...	...
...	6·466	+ 4·237	- 1	...	...	...	2·124	- 35·020	0·70	...	...	*	1·845	+ 34·137	1·15	46.8710	9·4
...	6·442	+ 52·236	- 5	M m	...	...	2·042	+ 2·798	- 5	M	...	...	1·852	- 39·788	1·00	...	...
...	6·331	- 49·676	- 4	...	...	...	2·017	+ 3·973	- 4	...	...	...	1·891	- 20·670	- 5	...	...
*	6·300	- 11·335	1·05	47.8349	9·8	...	1·987	- 53·226	0·70	...	...	...	+ 2·035	+ 59·212	- 5	M m	...
...	6·133	- 34·299	0·90	...	...	...	1·878	- 55·150	- 5	M m	...	...	2·177	- 53·509	- 4	M	...
*	6·076	+ 58·581	0·95	...	...	...	1·802	+ 54·630	- 3	...	...	...	2·304	- 48·958	- 5	M	...
...	6·023	+ 47·067	- 5	M m	...	*	1·667	- 8·719	1·10	47.8353	9·8	...	2·332	+ 54·599	0·65	...	...
...	5·966	- 24·149	- 2	...	...	...	1·507	- 2·793	- 1	...	...	...	2·388	- 2·675	- 5	M	...
97 ¹	-	5·952	- 54·658	- 5	M	1·410	+ 39·206	- 5	M m	...	*	+ 2·452	+ 29·064	1·25	46.8711	9·5
...	5·756	+ 37·068	- 4	...	...	...	1·374	- 58·473	- 4	...	...	...	2·472	- 22·439	1·00	...	...
...	5·734	+ 43·188	- 5	M m	...	...	1·337	+ 1·400	- 4	...	...	...	2·507	- 52·641	- 5	M	...
...	5·724	+ 16·788	- 2	...	...	...	1·315	- 32·591	- 2	...	...	...	2·558	+ 32·690	0·70	...	...
...	5·707	+ 32·274	- 4	...	...	...	1·308	+ 37·831	0·70	...	...	...	2·571	- 37·081	- 4	...	...
...	5·669	+ 42·833	- 4	M	...	...	1·239	- 6·340	- 3	...	...	...	+ 2·641	+ 56·896	- 1	...	...
...	5·619	+ 51·815	- 4	...	...	...	1·214	+ 13·020	- 5	...	...	...	2·664	+ 38·002	- 4	...	...
...	5·547	+ 28·746	- 5	...	...	...	1·170	+ 56·803	- 2	...	...	...	2·724	+ 48·376	- 5	M m	...
*	5·506	+ 37·273	1·10	46.8705	9·4	...	0·928	- 41·088	- 5	M m	...	...	2·733	- 52·357	- 5	M m	...
*	5·390	+ 32·538	1·00	...	...	...	0·830	- 17·075	- 4	...	...	...	2·779	- 46·703	- 5	M	...
98 ¹	-	5·373	- 44·712	- 5	M m	...	S *	0·756	+ 26·839	2·00	46.8708	8·6	...	+ 2·822	- 37·647	- 5
...	5·137	+ 52·571	- 5	M m	...	...	0·751	+ 53·883	- 5	M	...	...	2·906	+ 13·079	- 5	...	...
...	5·103	+ 37·441	- 3	...	...	...	0·581	+ 14·023	0·65	...	...	...	2·956	+ 37·308	- 4	...	...
...	5·056	- 20·588	- 1	...	...	...	0·490	+ 8·583	- 1	...	...	...	3·331	+ 22·931	0·70	...	...
...	4·979	+ 36·898	0·70	...	...	...	0·403	- 2·992	0·95	...	...	*	3·427	- 11·118	1·15	47.8355	9·8
*	- 4·884	+ 59·118	2·30	45.8655	8·4	...	- 0·362	+ 52·364	0·90	...	...	...	+ 3·486	- 30·928	- 5	...	...
...	4·806	+ 50·310	- 3	...	...	†	0·204	+ 56·838	- 2	...	...	...	3·566	+ 44·987	- 5	M m	...
...	4·806	+ 26·953	- 5	...	...	...	0·202	+ 35·298	0·80	...	...	...	3·590	+ 40·544	- 5	M m	...
...	4·797	+ 36·305	0·65	...	...	...	0·085	+ 43·330	- 4	...	...	...	3·669	- 34·271	0·95	...	...
...	4·768	+ 16·895	- 4	m	...	...	0·054	- 53·228	- 4	...	...	...	3·695	+ 3·845	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1111-1170																	
1111	+ 3°714	- 59°585	0°90	o	...	1171	+ 7°282	+ 10°266	- 5	Mm	...	1231	+ 10°914	+ 38°051	- 5	o m	...
...	3°787	+ 52°370	- 5	Mm	...	...	7°438	- 37°249	- 5	Mm	...	*	10°989	+ 57°916	1°10	46.8721	9°8
*	3°827	- 18°862	1°00	47.8356	9°6	...	7°502	+ 38°443	- 4	...	...	...	11°030	+ 44°640	0°70	...	...
...	3°956	- 53°229	- 5	M	...	†	7°588	+ 54°807	0°90	...	...	...	11°078	+ 56°480	0°95	...	...
*	3°994	+ 24°656	1°00	...	...	Fm*	7°784	+ 0°084	1°15	46.8715	9°8	*	11°090	+ 57°382	1°00	...	...
...	+ 3°997	- 49°790	- 5	Mm	...	...	+ 7°860	+ 51°661	- 5	m	...	...	+ 11°108	+ 50°077	- 5	...	...
*	4°104	+ 49°156	2°00	46.8712	8°5	...	7°945	+ 49°943	- 5	m	...	...	11°148	+ 15°797	0°90	...	...
...	4°105	- 36°239	- 5	M	...	*	8°089	+ 48°285	1°20	46.8716	9°8	...	11°158	- 19°329	- 5	...	...
...	4°237	+ 59°447	- 5	Mm	...	*	8°097	- 50°870	0°90	...	...	...	11°260	- 53°442	- 4	...	...
...	4°275	- 11°768	- 1	...	...	...	8°152	- 33°791	- 1	...	...	...	11°266	+ 48°716	- 5	m	...
1171-1230																	
1121	+ 4°308	- 47°247	- 5	...	...	1181	+ 8°161	+ 29°953	- 5	m	...	*	+ 11°268	- 20°140	2°00	47.8361	9°1
...	4°317	+ 2°761	- 2	...	...	...	8°222	- 28°367	- 5	M	...	...	11°298	+ 57°194	- 5	...	...
...	4°343	+ 24°948	- 5	...	...	...	8°234	- 42°647	- 5	Mm	...	...	11°353	- 23°854	- 5	...	...
...	4°387	+ 50°814	- 5	Mm	...	...	8°255	+ 0°856	- 1	...	...	...	11°437	+ 1°344	- 5	...	...
...	4°576	- 43°243	- 5	M	...	...	8°350	- 35°156	- 5	...	...	...	11°602	+ 23°113	- 5	...	...
*	+ 4°593	- 57°664	1°00	47.8357	9°8	...	+ 8°358	- 33°305	- 5	M	...	...	+ 11°689	+ 16°376	- 3	...	...
†	4°728	- 5°285	0°85	...	...	...	8°503	+ 49°171	- 4	...	...	*	11°700	+ 10°178	1°05	46.8723	9°8
...	4°946	+ 54°101	- 3	...	...	...	8°556	- 46°824	0°70	...	...	*	11°710	+ 50°166	1°00	46.8722	9°8
...	4°973	+ 43°859	- 2	...	...	...	8°562	- 43°181	- 1	...	...	...	11°818	- 34°829	0°95	...	...
...	4°990	+ 28°015	- 5	m	...	...	8°656	+ 33°498	- 2	...	...	...	11°820	+ 47°742	- 5	m	...
1191-1251																	
1131	+ 5°077	+ 43°254	0°70	...	*	1191	+ 8°809	+ 18°550	2°60	46.8717	8°5	*	+ 11°838	+ 17°235	1°00	46.8724	9°8
...	5°100	- 54°019	- 1	...	...	...	8°889	+ 6°111	- 5	...	...	...	11°916	+ 7°110	- 5	m	...
...	5°117	+ 36°315	- 5	Mm	...	...	8°906	+ 51°503	0°90	...	...	...	11°941	+ 2°805	- 5	...	...
...	5°242	+ 25°676	- 4	...	...	...	8°929	+ 53°749	- 4	m	...	*	11°945	+ 59°342	2°00	45.8675	8°8
...	5°249	+ 50°752	- 2	...	...	...	8°933	- 30°134	- 4	M	...	...	12°110	+ 46°183	- 4	...	...
...	+ 5°364	- 58°627	0°65	...	...	...	+ 9°078	+ 37°506	- 3	...	...	...	+ 12°116	- 24°445	- 5	...	...
...	5°367	+ 59°442	- 1	...	...	...	9°084	+ 51°185	- 1	...	...	...	12°118	+ 15°659	0°90	...	...
...	5°419	+ 10°423	- 4	...	...	...	9°135	+ 20°898	- 4	...	...	...	12°158	+ 38°162	0°65	...	...
...	5°564	+ 34°608	0°85	...	...	...	9°147	- 57°871	- 2	...	...	...	12°167	+ 43°168	0°90	...	...
...	5°593	+ 40°927	- 4	...	...	...	9°190	+ 25°056	- 1	...	...	...	12°302	- 57°222	- 4	...	...
1201-1261																	
1141	+ 5°597	+ 33°973	- 5	Mm	...	1201	+ 9°199	- 27°797	0°90	...	...	...	+ 12°360	- 27°579	- 5	...	...
*	5°609	- 55°282	1°30	47.8358	9°1	...	9°225	+ 30°083	- 5	m	...	...	12°365	+ 58°966	- 4	...	...
...	5°664	+ 56°718	- 5	m	...	...	9°306	- 59°245	- 5	Mm	...	...	12°597	+ 2°888	- 5	...	...
...	5°748	- 55°236	- 5	Mm	...	...	9°308	- 0°485	- 5	m	...	...	12°624	- 43°150	- 5	...	...
...	5°753	+ 54°709	0°65	...	...	...	9°311	+ 20°939	- 4	...	...	...	12°682	+ 38°013	- 5	...	...
...	+ 5°775	- 31°790	- 4	...	...	...	+ 9°345	- 42°061	0°65	...	...	...	+ 12°746	+ 18°349	0°80	...	...
*	5°801	+ 56°010	1°00	...	...	†	9°739	+ 21°254	- 5	...	...	...	12°859	- 41°912	- 5	...	...
...	5°847	+ 16°505	- 2	...	...	...	9°778	+ 32°196	- 5	...	...	...	12°948	- 45°710	1°00	...	...
...	5°925	- 53°042	- 5	Mm	...	...	9°789	- 2°097	- 5	...	...	*	12°985	+ 53°182	1°05	...	...
...	5°937	+ 57°295	- 5	Mm	...	*	9°805	+ 48°201	1°15	46.8718	9°5	...	13°144	- 47°336	- 5	m	...
1211-1271																	
1151	+ 5°968	- 18°551	- 4	m	...	1211	+ 10°011	+ 53°609	0°90	...	...	...	+ 13°170	- 46°619	- 3	...	...
...	6°007	+ 58°434	- 1	...	...	...	10°020	+ 28°674	- 5	...	...	*	13°172	+ 49°745	- 5	...	...
...	6°008	- 56°846	- 3	M	...	...	10°043	+ 55°017	- 5	m	...	...	13°201	- 45°951	- 5	m	...
...	6°031	- 57°191	- 4	...	...	...	10°063	+ 37°357	- 1	...	...	*	13°203	- 58°273	1°00	47.8362	9°8
...	6°106	+ 59°308	- 5	Mm	...	...	10°091	- 20°306	- 5	...	...	...	13°229	+ 57°248	- 5	m	...
...	+ 6°143	- 24°814	0°85	...	*	...	+ 10°126	+ 31°920	1°80	46.8719	9°1	...	+ 13°314	+ 50°755	- 5	...	...
...	6°161	+ 56°209	- 4	M	...	...	10°134	+ 11°389	1°00	...	...	...	13°376	+ 17°800	- 2	...	...
...	6°205	+ 13°569	- 3	...	...	...	10°163	+ 43°737	0°70	...	...	*	13°388	+ 22°177	1°00	46.8725	9°8
...	6°255	+ 3°468	- 5	M	...	*	10°269	- 9°543	1°05	46.8359	9°8	...	13°439	+ 26°498	- 5	m	...
...	6°264	+ 4°326	- 5	...	...	[	10°385	- 36°483	1°10	47.8360	9°6	...	13°440	- 58°999	- 5	m	...
1221-1281																	
1161	+ 6°278	+ 53°430	- 3	...	*	1221	+ 10°466	- 8°561	1°05	...	...	...	+ 13°444	+ 58°420	- 5	m	...
*	6°302	+ 38°959	1°00	46.8713	9°8	...	10°532	- 10°600	- 5	...	...	...	13°466	- 41°089	- 4	...	...
*	6°317	- 57°324	- 1	...	...	...	10°702	+ 29°976	- 4	...	...	...	13°499	- 17°847	- 4	...	...
*	6°351	+ 25°606	0°95	...	*	...	10°715	- 27°156	1°00	...	...	...	13°556	+ 55°104	- 3	...	...
...	6°363	- 40°720	- 4	M	...	...	10°730	- 17°435	- 5	...	...	...	13°751	- 38°158	- 5	...	...
+	6°484	- 27°448	- 5	Mm	...	...	+ 10°778	+ 40°996	- 5	m	...	...	+ 13°768	+ 58°362	- 5	...	...
*	6°491	+ 33°488	1°20	46.8714	9°4	...	10°794	+ 56°309	1°00	...	...	*	13°849	- 58°244	- 5	m	...
...	6°509	- 53°262	- 3	...	*	...	10°806	+ 32°204	1°10	46.8720	9°6	*	13°931	+ 29°159	2°00	46.8726	8°6
...	6°555	- 14°822	- 5	M	...	...	10°852	- 0°952	- 4	m	...	...	14°148	- 30°693	- 5	...	...
...	7°251	+ 32°488	- 4	...	...	...	10°888	- 43°511	- 5	...	...	...	14°282	+ 56°812	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
1291-1350																	
1291	+14.307	-56.060	-5	o	m	...	+18.387	-51.118	0.90	...	...	...	+23.170	-17.841	1.00	47.8371	9.8
...	14.360	+56.554	-5	...	...	*	18.392	-1.201	1.35	47.8366	9.3	...	23.314	-42.857	-4	...	...
N	14.781	-8.270	-5	...	...	...	18.419	-55.217	-4	...	...	*	23.318	-40.169	1.15	47.8372	9.5
...	14.798	+5.132	-5	m	...	...	18.582	-19.751	-5	...	...	...	23.531	+50.731	-4	m	...
N	14.848	-8.286	-5	...	...	...	18.790	+49.973	-3	...	...	...	23.544	+23.760	-5	...	...
...	+14.878	-41.799	0.70	...	...	...	+18.922	-11.709	-5	m	...	...	+23.572	-7.880	-4	...	...
...	14.903	+48.329	-5	m	...	...	18.958	+36.436	-4	...	...	...	23.592	-32.028	-5	...	...
...	14.987	+37.829	-3	...	...	...	19.147	-25.733	-5	...	...	...	23.599	+46.057	0.90	...	...
...	14.991	-54.742	-4	m	...	...	19.217	-16.351	0.75	...	...	...	23.711	+25.931	0.90	...	...
...	15.030	+56.050	-5	m	...	...	19.420	-24.763	0.85	47.8367	9.8	...	23.776	+42.452	-5	m	...
1301	+15.140	+25.058	-5	...	...	1361	+19.491	+25.807	-4	...	...	1421	+23.844	-37.138	0.65	...	...
...	15.232	-3.673	-5	m	...	...	19.552	+38.455	-4	...	...	...	23.915	-27.167	0.70	...	...
...	15.320	+44.380	-3	...	...	...	19.727	+31.501	1.00	46.8732	9.8	...	23.966	+45.063	-5	...	...
...	15.416	-35.892	-3	...	...	*	19.767	-56.788	1.20	47.8368	9.3	...	24.075	+15.451	1.00	...	...
*	15.531	-39.139	1.20	47.8363	9.6	...	20.024	+39.402	-5	m	...	...	24.342	+39.260	-5	m	...
...	+15.558	-43.985	0.70	...	...	...	+20.043	+43.156	-4	...	...	...	+24.460	+49.419	-3	...	...
*	15.632	+50.806	1.00	...	...	...	20.063	-41.266	-5	m	...	...	24.485	-23.957	-5	...	...
*	15.680	-30.731	1.20	47.8364	9.6	...	20.151	+25.146	-4	...	...	...	24.534	+30.444	0.70	...	...
...	15.688	-26.443	-2	...	...	...	20.213	-29.069	-5	...	...	...	24.588	+16.455	0.80	...	...
...	15.733	-0.815	1.00	46.8727	9.8	...	20.346	-36.401	0.65	...	...	...	24.731	+1.952	-1	...	...
1311	+15.749	+36.491	0.85	...	...	1371	+20.348	-48.528	-2	...	...	1431	+24.777	+20.250	-5	m	...
...	15.776	+38.873	-3	...	...	...	20.350	-23.736	-1	...	...	...	24.790	-46.410	-5	m	...
...	15.871	-32.306	-5	m	...	...	20.397	+33.902	-5	m	...	...	24.921	+21.770	0.80	...	...
...	15.893	-46.247	-5	m	...	...	20.497	+23.856	-5	...	...	...	24.998	+23.245	-4	...	...
...	15.966	-51.685	-5	...	...	...	20.561	+19.236	1.00	46.8733	9.8	...	25.009	+5.065	-5	...	...
†	+16.142	-44.982	0.65	...	...	*	+20.674	+49.952	1.00	46.8734	9.8	...	+25.033	+22.273	-5	b	...
...	16.146	-14.352	-4	...	...	...	20.748	+18.360	-3	...	...	...	25.046	+16.986	-5	m	...
...	16.151	-50.813	-3	...	...	*	20.821	+35.192	0.95	...	...	...	25.071	+39.515	-4	m	...
...	16.213	+40.804	-1	...	...	...	20.882	+0.234	-5	...	...	...	25.119	+24.178	-5	m	...
...	16.276	+59.335	0.95	...	...	...	20.980	-1.421	-5	...	...	...	25.148	-27.304	0.75	...	...
1321	+16.295	+22.095	0.85	...	...	1381	+21.086	-39.792	1.00	...	...	1441	+25.202	-58.573	-5	m	...
...	16.545	+10.251	0.75	...	...	...	21.091	+40.394	-4	m	...	*	25.236	-53.239	1.20	47.8373	9.8
...	16.553	+56.310	-4	...	...	...	21.121	-51.793	-5	...	...	...	25.433	+36.870	-5	m	...
*	16.644	+28.243	4.00	46.8728	7.4	...	21.133	-22.262	-5	...	...	...	25.439	+50.201	1.00	...	...
*	16.757	+23.513	1.25	46.8729	9.3	...	21.201	+6.919	-1	...	...	...	25.470	+6.887	-5	m	...
...	+16.839	+22.504	-5	...	...	...	+21.224	-58.017	-5	...	...	...	+25.523	-50.651	0.90	...	...
...	16.949	+15.832	-3	...	...	...	21.271	-29.902	-5	...	...	...	25.558	-14.465	1.20	47.8374	9.6
...	17.046	-51.358	0.85	...	†	...	21.287	+59.763	-5	m	...	...	25.644	-59.279	-2	...	...
...	17.135	+19.502	-5	m	...	...	21.313	-22.885	-5	...	...	S*	25.657	+4.256	2.30	46.8736	8.4
*	17.271	+34.484	1.10	46.8730	9.8	...	21.373	-36.124	-2	...	...	*	25.675	-1.323	1.00	47.8375	9.8
1331	+17.296	+27.383	-3	...	...	1391	+21.565	+48.890	-4	...	...	1451	+25.690	+31.230	-5	m	...
...	17.333	-57.696	0.70	...	...	...	21.605	+1.576	-5	m	...	...	26.122	+39.409	0.70	...	...
...	17.352	-35.638	-3	...	...	*	21.618	-15.415	2.10	47.8369	8.8	...	26.122	+25.316	0.85	...	...
*	17.375	+52.019	0.95	...	...	...	22.163	+30.569	0.75	...	...	...	26.142	+9.670	-5	...	...
...	17.395	+14.803	-5	...	...	*	22.277	+49.166	1.00	...	...	*	26.182	+14.295	1.30	46.8737	9.3
...	+17.432	+12.763	0.80	...	...	...	+22.324	+37.337	0.75	...	...	...	+26.394	-12.553	-4	...	...
...	17.440	+43.456	-4	m	...	...	22.398	+33.890	-5	m	...	...	26.400	+23.930	-5	m	...
...	17.599	+15.975	-5	m	...	...	22.502	+21.799	1.00	...	...	*	26.414	+15.320	1.20	46.8738	9.5
...	17.605	+20.214	-5	...	...	...	22.591	+22.082	-5	...	...	...	26.432	-32.161	-5	m	...
*	17.691	+36.736	1.00	...	...	...	22.622	-48.594	-2	...	...	...	26.468	+21.471	0.70	...	...
1341	+17.704	-54.533	-5	m	...	1401	+22.696	+19.829	-2	...	...	1461	+26.479	-37.923	-4	...	...
...	17.716	+37.047	-4	m	...	...	22.697	+54.968	-4	...	...	...	26.815	+41.317	-5	m	...
...	17.857	-57.823	-5	m	...	...	22.723	+56.974	-5	m	...	...	26.950	-52.562	-4	...	...
...	17.990	+33.807	-3	...	...	*	22.742	+31.037	1.50	46.8735	9.3	...	26.954	+35.028	-5	m	...
...	18.012	-52.956	-5	m	...	...	22.962	+54.152	-3	...	...	...	26.957	+21.075	-4	...	...
...	+18.140	+8.691	-5	...	...	...	+23.023	+39.734	-3	...	...	...	+26.964	+7.053	-2	...	...
...	18.159	+0.510	0.90	46.8731	9.8	...	23.028	+24.576	-4	...	...	...	26.973	-43.953	-1	...	...
...	18.222	-56.731	-5	m	...	S*	23.036	-48.622	3.00	47.8370	7.8	...	26.979	-5.849	-5	m	...
*	18.288	-31.265	1.10	47.8365	9.8	...	23.100	+37.875	-5	m	...	...	26.986	-48.414	-4	m	...
...	18.314	+12.519	-4	...	...	...	23.158	-53.303	-2	...	...	...	27.099	+26.304	0.70	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
1471-1530																	
1471	+27°120	-26°117	0·85	o	...	1531	+31°672	-25°125	0·65	o	...	1591	+35°509	-33°138	1°20	47.8378	9·8
*	27°137	+22°490	1·30	46.8739	9·3	...	31°729	+45°133	-5	m	...	...	35°666	+51°683	-4	...	...
...	27°162	-36°622	0·85	...	...	...	31°756	+48°906	0·80	...	...	...	35°813	-26°773	-3	...	...
...	27°273	-33°763	-5	m	...	*	32°095	-54°093	1·00	47.8376	9·8	...	35°930	+24°361	-1	...	...
...	27°294	+18°274	0·70	...	...	*	32°201	+20°302	1·00	46.8744	9·8	...	35°971	-28°022	-4	...	...
...	+27°590	+17°348	-3	...	...	*	+32°324	-11°177	0·75	...	...	+	36°063	-53°183	-1	...	...
...	27°630	+40°759	-5	m	...	*	32°435	+54°594	1·30	46.8745	9·6	...	36°083	+57°310	-5	m	...
...	27°753	-0°643	-5	...	...	*	32°445	+28°941	1·00	...	...	...	36°084	-21°908	0·80	...	...
...	27°824	+7°824	-5	...	...	n	32°446	-27°201	0·90	47.8377	9·4	...	36°178	+13°136	0·70	...	...
...	27°867	-34°765	-4	m	...	†	32°451	+59°658	-5	m	...	...	36°211	-26°272	-2	...	...
1481	+27°927	+44°342	-5	m	...	1541	+32°630	-27°193	1·00	47.8377	9·4	...	+36°241	-55°908	-5	m	...
...	27°959	-16°931	-3	...	...	...	32°641	-33°347	-4	...	...	...	36°263	-49°017	-1	...	...
...	27°982	-53°056	-3	...	...	...	32°664	-27°129	-5	...	...	...	36°319	+54°231	-5	m	...
...	28°027	+39°210	-4	...	...	...	32°726	+26°332	-5	m	...	*	36°334	+58°723	1·00	45.8701	9·8
...	28°030	+5°430	0·70	...	...	...	32°825	+25°072	-5	m	...	*	36°372	-6°336	1·20	47.8379	9·8
...	+28°090	+18°465	-3	...	...	*	+32°836	+32°601	1·00	...	...	...	+36°397	-28°338	-3	...	...
...	28°160	+43°946	-4	m	...	...	32°948	-45°948	-5	...	...	†	36°419	+14°883	0·80	...	...
...	28°186	+25°566	-4	...	...	...	33°048	+26°470	-5	m	...	...	36°429	-29°766	-5	...	...
...	28°223	-39°774	-3	...	...	...	33°100	+43°119	-3	a	...	...	36°517	+52°862	-5	m	...
...	28°515	-34°083	-5	m	...	...	33°116	-42°772	-3	...	...	...	36°575	-34°331	-5	m	...
1491	+28°559	+58°465	-5	m	...	1551	+33°191	-31°638	-4	...	...	...	+36°658	-26°471	-2	...	...
...	28°701	-40°112	-5	m	...	s *	33°210	+33°630	6·60	46.8746	5·6	...	36°790	+51°283	-5	m	...
...	28°767	+26°162	-5	m	...	...	33°255	+55°840	-4	...	...	...	36°992	+7°973	-5	m	...
...	28°795	-56°064	-4	...	...	...	33°299	-42°876	-5	m	...	*	37°027	+9°566	1·15	46.8749	9·8
...	28°812	+52°752	-2	...	...	...	33°315	+43°617	-4	...	...	...	37°066	-2°859	-5	m	...
...	+28°943	+46°916	-1	...	...	...	+33°320	-48°226	-5	m	...	...	+37°089	+4°624	-2	...	...
...	29°016	+54°988	-5	m	...	...	33°406	+19°494	0·80	...	...	...	37°144	-55°775	-1	...	...
...	29°228	-2°300	0·65	...	...	...	33°688	-8°978	1·00	...	...	...	37°179	+32°800	-3	...	...
...	29°286	-33°365	-4	m	...	...	33°782	+1°246	-3	...	...	*	37°204	-31°177	1·10	47.8380	9·8
...	29°367	-37°858	-4	...	...	...	33°792	+29°959	-5	m	...	...	37°325	+18°265	-5	m	...
1501	+29°427	+53°556	0·75	...	...	1561	+33°839	-36°574	0·80	...	...	...	+37°328	+26°590	-4	m	...
...	29°429	-12°236	0·80	...	...	...	34°049	+3°469	-5	m	...	...	37°329	+26°127	-4	...	...
...	29°435	+26°394	-3	...	...	...	34°121	-27°892	0·90	...	...	...	37°338	-4°642	0·65	...	...
*	29°555	+47°078	1·20	46.8740	9·4	...	34°199	-1°830	-5	...	...	...	37°350	-50°455	-5	m	...
†	29°581	+50°216	0·95	...	...	...	34°216	+32°962	-5	m	...	...	37°367	-42°208	-3	...	...
†	+29°596	+23°706	-5	...	...	...	+34°218	+32°966	-5	m	...	...	+37°498	-15°905	-5	...	...
†	29°664	+55°840	-3	...	...	...	34°336	-9°315	-5	...	...	*	37°538	-17°558	2·60	47.8381	8·5
†	29°672	+25°581	1·00	46.8741	9·8	n *	34°457	+18°539	1·00	46.8747	9·6	...	37°549	-56°592	-3	...	...
...	29°831	-0°434	-5	m	...	...	34°460	-56°155	0·90	...	...	...	37°576	-21°781	-5	m	...
...	29°904	-11°918	-5	...	...	...	34°462	+35°429	-5	m	...	...	37°665	-32°076	-3	...	...
1511	+30°081	-42°992	-3	...	...	1571	+34°464	+27°025	0·75	...	...	...	+37°830	+16°153	-5	m	...
*	30°157	+27°197	1·00	...	...	n	34°483	+18°648	0·90	46.8747	9·6	...	37°881	+14°036	0·65	...	...
...	30°194	+45°819	-5	m	...	...	34°509	-8°603	-4	...	...	...	37°900	-49°851	-3	...	...
...	30°327	+22°093	0·80	...	...	†	34°526	-42°563	-5	m	...	...	37°957	+42°655	-5	m	...
...	30°384	-55°269	0·90	...	...	...	34°538	+37°289	-5	m	...	...	38°026	-48°491	-5	m	...
...	+30°408	+40°627	0·65	...	...	...	+34°748	+22°079	-5	m	...	...	+38°103	-18°362	-4	...	...
...	30°546	-18°398	-4	...	...	...	34°818	-21°027	0·65	...	...	...	38°107	+17°149	-3	...	...
...	30°578	-41°939	-5	m	...	...	34°917	-57°250	-1	...	...	...	38°111	+14°785	-5	m	...
...	30°584	-39°314	-5	...	...	...	34°917	+18°668	-5	m	...	...	38°119	+46°456	-4	m	...
*	30°608	+47°343	1·10	46.8742	9·8	...	34°958	-22°535	-4	m	...	...	38°185	+52°969	-4	...	...
1521	+30°648	-49°515	-4	...	...	1581	+35°029	+28°985	-3	...	...	...	+38°188	-20°699	0·80	...	...
*	30°780	+43°639	1·15	46.8743	9·5	...	35°074	-14°134	-5	...	...	*	38°276	+12°558	1·20	46.8750	9·6
...	30°842	+40°062	-5	m	...	...	35°107	+47°377	-5	m	...	...	38°278	-21°284	0·85	...	...
*	31°127	+44°506	1·00	...	...	*	35°213	+23°553	1·00	46.8748	9·8	...	38°319	+17°764	-4	...	...
...	31°218	+12°324	0·95	...	...	...	35°279	+52°662	-5	m	...	...	38°321	-17°223	0·65	...	...
...	+31°337	+16°199	-5	m	...	†	+35°300	-24°970	0·70	...	...	...	+38°369	+2°165	-3	...	...
...	31°368	-41°553	-5	...	...	...	35°307	+20°018	0·75	...	...	...	38°438	+48°685	-3	...	...
...	31°385	-21°491	-5	...	...	...	35°361	+55°195	-2	...	...	...	38°447	+6°163	0·75	...	...
...	31°420	+35°389	0·85	...	...	...	35°377	+25°496	0·70	...	...	*	38°479	+19°313	0·90	...	...
...	31°641	-38°525	-5	...	...	...	35°404	+22°208	-5	m	...	...	38°556	+0·608	-4	...	...

1539, 1541. C.P.D., mass.

1568, 1572. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1651-1710																	
1651	* +38°780	+ 6°149	1°50	46.8751	8.8	1711	+42°850	+ 9°281	- 4	o	...	1771	+47°082	- 6°008	0°65	...	...
...	38°889	- 51°805	0°75	...	...	...	42°911	- 50°232	- 5	e	...	...	47°133	- 39°196	- 5	m	...
...	39°026	- 47°302	- 5	m	...	...	42°941	+ 50°180	- 4	m	...	...	47°173	- 41°083	0°65	...	...
...	39°042	+ 35°684	- 4	m	...	...	42°963	- 14°738	- 5	...	...	...	47°196	- 29°387	- 1	...	...
...	39°090	+ 38°169	0°70	...	...	...	42°979	+ 30°596	- 4	m	...	...	47°362	+ 21°064	- 5	e	...
...	+39°091	+ 12°465	0°70	...	...	...	+43°087	- 49°720	- 5	e	...	...	+47°396	+ 53°111	- 4	e	...
...	39°093	- 49°018	- 2	...	...	...	43°222	+ 45°129	- 3	...	...	...	47°466	+ 36°560	- 5	e	...
...	39°284	+ 36°020	- 4	m	...	...	43°262	+ 49°606	- 5	m	...	*	47°536	- 34°401	1°20	47.8392	9°4
...	39°418	+ 50°159	- 5	m	...	...	43°294	- 16°176	- 4	...	...	...	47°544	+ 30°982	- 5	e	...
1661	+39°638	- 34°049	1°00	47.8383	9°8	...	43°606	+ 28°408	- 4	...	...	...	47°544	+ 25°374	- 3	e	...
1711-1770																	
1721	+39°646	+ 38°664	1°10	46.8752	9°3	...	+43°622	- 41°796	- 4	...	...	...	+47°734	- 42°598	0°65	...	...
...	39°863	+ 7°126	0°65	...	...	...	43°673	+ 39°880	1°00	46.8761	9°8	...	47°816	- 11°838	- 4	...	...
...	* 39°956	+ 25°684	1°00	46.8753	9°8	*	43°683	+ 8°916	1°40	46.8762	9°4	...	47°903	+ 43°059	- 4	e	...
...	40°026	+ 50°865	- 5	m	...	...	43°718	+ 25°667	0°90	...	...	...	47°964	+ 53°054	- 5	e	...
...	40°075	- 12°897	- 5	m	...	...	43°749	- 28°458	- 3	...	...	...	47°975	+ 31°170	- 4	e	...
...	+40°094	- 14°055	1°00	47.8384	9°8	...	+43°884	- 43°619	- 2	...	...	...	+48°164	+ 29°478	- 5	e	...
...	40°109	- 7°172	- 5	m	...	...	43°994	+ 28°265	- 5	m	...	...	48°251	- 46°061	- 1	...	...
...	40°195	+ 53°237	- 5	m	...	...	43°997	- 7°717	0°65	...	...	...	48°261	+ 25°021	- 4	m	...
...	40°298	+ 46°682	- 5	m	...	...	44°021	+ 23°130	- 4	...	...	*	48°271	- 50°682	1°10	47.8393	9°8
...	40°437	+ 18°129	- 4	...	...	...	44°050	+ 39°674	- 4	e	...	...	48°278	+ 21°348	- 1	...	...
1671	+40°475	- 47°196	0°70	...	...	...	+44°449	+ 0°843	- 4	...	...	...	+48°323	+ 16°507	- 5	m	...
...	40°524	+ 54°490	- 5	m	...	...	44°491	- 31°138	0°65	...	...	...	48°359	+ 17°199	- 4	...	...
...	40°591	+ 44°400	1°00	...	...	...	44°516	- 32°438	0°95	47.8387	9°8	...	48°361	- 0°460	- 5	e	...
...	40°620	+ 49°445	- 1	...	...	...	44°580	+ 42°100	1°30	46.8763	9°1	...	48°575	+ 7°291	- 5	m	...
...	40°666	- 56°682	- 5	...	...	...	44°662	+ 35°364	- 2	...	...	...	48°760	+ 24°438	- 4	...	...
...	* +40°675	+ 1°025	2°50	46.8754	8°6	...	+44°694	+ 31°870	- 4	e	...	...	+48°881	+ 32°912	- 5	e	...
...	40°677	+ 54°169	- 5	m	...	...	[44°713	- 32°309	- 2	...	...	...	48°936	+ 18°413	0°65	...	...
...	40°682	- 1°285	- 4	...	...	...	44°746	- 4°855	- 5	e	...	*	48°936	+ 3°070	1°30	46.8766	9°3
...	40°807	+ 7°372	0°65	...	...	...	44°803	+ 33°816	- 4	e	...	...	49°020	+ 20°514	0°70	...	...
...	40°867	- 44°159	- 2	...	...	*	44.897	- 22°205	1°20	47.8388	9°5	...	49°185	+ 0°782	- 5	e	...
1681	+40°956	- 11°097	- 4	...	...	...	+44°908	+ 25°749	- 5	m	...	...	+49°224	+ 40°316	- 3	...	...
...	40°981	+ 44°102	1°00	...	...	...	44°939	- 29°387	- 5	...	...	...	49°244	+ 13°298	- 5	...	...
...	41°035	+ 2°781	0°85	...	...	...	44°969	+ 6°204	0°90	...	...	...	49°255	- 17°945	0°85	...	...
...	41°043	+ 46°446	1°00	...	...	...	45°115	+ 9°368	- 5	e	...	*	49°283	+ 27°487	1°20	46.8767	9°6
...	* 41°137	+ 45°239	1°35	46.8755	9°3	...	45°137	+ 52°283	- 4	...	...	...	49°304	+ 39°727	- 3	...	...
...	+41°317	+ 50°775	- 4	m	...	...	+45°217	+ 38°765	- 4	e	...	...	+49°318	- 34°694	0°80	...	...
...	41°355	+ 18°777	- 2	...	...	*	45°268	+ 11°163	1°20	46.8764	9°5	...	49°333	- 24°473	- 5	...	...
...	41°757	+ 21°968	- 4	m	...	S *	45°433	- 11°039	2°40	47.8390	8°2	...	49°334	- 1°671	- 5	e	...
...	41°775	- 7°722	- 5	...	...	*	45°495	+ 7°525	1°20	46.8765	9°6	...	49°342	- 49°614	0°65	...	...
...	* 41°794	+ 47°137	2°00	46.8756	8°6	...	45°550	+ 34°764	- 2	...	...	...	49°421	+ 30°324	- 5	c	...
1691	* +41°849	- 9°185	1°40	47.8385	9°4	...	+45°821	- 47°161	- 3	...	...	...	+49°598	+ 42°487	- 5	...	...
...	41°869	+ 42°000	- 5	m	...	...	45°880	- 36°500	- 5	e	...	...	49°607	+ 59°007	- 3	...	...
...	* 41°882	- 4°082	2°80	47.8386	8°5	...	45°887	+ 30°535	- 5	e	...	...	49°677	+ 41°108	- 5	...	...
...	41°920	+ 31°654	- 4	...	...	...	45°983	- 57°034	- 1	...	...	...	49°703	+ 6°396	- 5	e	...
...	41°926	- 52°629	- 5	...	...	...	46°014	- 9°145	- 3	...	...	...	49°719	+ 38°859	- 4	...	...
...	+41°929	- 26°126	- 2	...	...	...	+46°097	+ 35°086	0°80	...	...	...	+49°787	- 33°554	- 2	...	...
...	41°968	+ 17°882	0°95	46.8757	9°8	...	46°101	+ 19°758	0°75	...	...	*	49°814	+ 20°287	1°35	46.8768	9°1
...	* 42°095	+ 10°382	1°15	46.8758	9°8	...	46°116	- 21°925	- 5	...	...	...	49°829	- 35°022	0°90	...	...
...	42°303	+ 40°928	- 4	...	...	...	46°229	+ 25°594	- 5	m	...	...	49°976	+ 23°707	- 5	e	...
...	* 42°442	+ 18°461	1°30	46.8759	9°6	...	46°299	- 22°891	- 5	e	...	...	49°978	+ 43°261	- 4	...	...
1701	+42°461	- 26°697	0°95	...	...	...	+46°322	- 16°459	- 4	...	...	...	+50°050	- 58°676	- 4	...	...
...	42°483	- 35°164	- 5	e	...	*	46°327	- 6°058	2°40	47.8391	8°6	*	50°126	+ 0°288	1°20	46.8769	9°3
...	42°484	- 26°450	0°70	...	...	N [	46°447	- 44°318	- 5	...	...	...	50°273	+ 10°340	- 5	e	...
...	42°537	+ 52°249	- 5	m	...	...	46°455	+ 2°146	- 4	...	...	...	50°311	+ 29°386	- 5	e	...
...	42°555	- 39°162	0°95	...	...	*	46°490	- 40°339	1°00	...	...	...	50°513	+ 3°543	0°70	...	...
...	+42°584	- 30°233	- 5	...	...	...	+46°737	- 3°868	- 1	...	...	...	+50°543	+ 23°439	- 2	...	...
...	* 42°632	+ 17°911	0°95	46.8760	9°8	...	46°867	+ 10°663	- 5	m	...	...	50°554	+ 29°133	- 4	e	...
...	42°686	- 36°200	- 4	...	...	...	46°907	- 25°025	- 4	...	...	...	50°612	+ 44°194	- 5	e	...
...	42°692	- 33°034	- 5	m	...	*	46°923	+ 18°678	0°95	...	...	...	50°671	+ 39°321	- 4	e	...
...	42°811	- 22°534	0°70	...	...	...	47°037	- 51°023	- 1	...	...	...	50°773	- 50°243	1°00	...	...

1763. Mass. 47° 106, two stars; 48° 106, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1831-1890																	
1831	... +50°802	-11°915	0°70	1891	+54°804	-3°119	-5	°e	...	1951	+58°624	+14°629	-5	°m	...
...	50°822	+58°157	-5	54°896	+11°008	-3	e	58°715	-5°999	-5
...	50°822	-58°621	-5	m	54°941	-23°749	-5	58°747	+25°228	-5	m	...
...	50°849	-49°766	0°90	55°066	+7°717	-5	e	58°768	+45°779	-5	e	...
...	51°007	-15°427	-3	*	55°068	+54°663	1°40	46.8772	9°4	...	58°875	-16°502	-3
...	+51°116	+59°036	-5	e	...	*	+55°072	-52°498	1°30	47.8398	9°4	...	+59°077	-2°255	-3
...	51°602	-43°716	-4	55°079	-35°519	0°95	59°099	-12°026	-4	e	...
...	51°722	-47°067	-5	e	55°088	+43°791	-2	59°126	-20°530	-1
†	51°817	-19°960	-5	55°282	-23°093	-2	59°262	+40°374	-5	e	...
...	51°864	+5°499	-3	55°476	-9°097	-1	59°396	+24°557	-5	e	...
1841	1901	1951
...	+51°959	+50°092	-5	e	...	*	+55°586	-36°665	1°00	...	...	...	...	...	...	...
...	51°973	-25°823	-4	...	...	...	55°633	+58°455	-5	e	...	...	...	...	...	...
...	52°023	-7°041	-3	...	...	...	55°694	+0°536	0°90	...	...	...	...	...	...	...
...	52°100	+35°383	-3	...	...	...	55°734	+28°995	0°85	...	...	...	...	...	...	...
...	52°113	-1°404	-5	e	...	*	55°839	+37°318	1°20	46.8773	9°8	...	...	...	...	...
*	+52°126	-36°950	1°00	47.8394	9°4	...	+56°017	+41°665	-3	...	...	...	...	...	...	...
*	52°159	+23°973	0°95	...	...	...	56°026	-38°094	-5	e	...	...	...	...	...	...
S *	52°308	-59°410	1°80	47.8395	9°0	...	56°119	+17°897	-2	...	...	...	...	...	...	...
...	52°331	+48°360	-5	e	...	...	56°139	-22°546	-5	e	...	...	...	...	...	...
...	52°443	-19°059	-5	e	...	...	56°226	+34°648	-5	e	...	...	...	...	...	...
1851	1911	1951
...	+52°454	+41°567	-5	...	...	*	+56°285	+43°883	1°40	46.8774	9°3	...	...	...	...	...
...	52°582	-20°848	-4	...	...	...	56°295	+41°427	-5	e	...	...	...	...	...	...
...	52°612	+14°100	-4	e	...	†	56°325	+39°887	-2	...	...	...	...	...	...	...
...	52°817	+8°494	0°75	...	...	n	56°348	+16°555	0°85	46.8776	9°8	...	...	...	...	...
...	52°843	+4°693	0°70	...	...	...	56°388	-7°600	-4	...	...	...	...	...	...	...
...	+53°097	+23°814	-5	e	...	n*	+56°397	+16°743	0°90	46.8776	9°8	...	...	...	...	...
...	53°238	-5°664	-5	e	...	*	56°497	+25°349	1°10	46.8775	9°8	...	...	...	...	...
...	53°292	-3°328	-3	e	...	...	56°586	+0°105	-3	...	...	...	...	...	...	...
S *	53°344	+56°632	3°00	46.8770	8°2	...	56°738	+23°636	-1	...	...	...	...	...	...	...
...	53°349	-42°377	-3	...	...	...	56°808	-39°868	-5	e	...	...	...	...	...	...
1861	1921	1951
...	+53°495	+35°445	-4	...	...	*	+56°866	+28°184	2°60	46.8777	8°5	...	...	...	...	...
...	53°584	+14°334	-4	...	...	...	56°868	+35°701	-5	e	...	...	...	...	...	...
...	53°650	-35°080	-5	...	...	...	56°919	-19°903	-4	e	...	...	...	...	...	...
...	53°745	+38°079	-5	e	...	...	56°955	-50°969	-4	...	...	...	...	...	...	...
...	53°765	-39°454	-5	...	...	...	56°967	-36°996	-3	...	...	...	...	...	...	...
...	+53°778	-3°872	-5	e	...	...	+57°040	-23°214	-3	...	...	...	...	...	...	...
...	53°950	-47°281	-5	e	...	*	57°053	+30°983	1°00	...	...	...	...	...	...	...
...	53°968	+16°335	0°85	...	...	...	57°156	+37°230	-2	...	...	...	...	...	...	...
...	53°990	-24°797	0°70	...	...	...	57°175	-29°248	-3	...	...	...	...	...	...	...
...	54°018	+18°910	0°70	...	...	...	57°251	+18°416	0°90	...	...	...	...	...	...	...
1871	1931	1951
...	+54°030	-18°934	-5	...	...	*	+57°326	+58°472	-1	...	...	...	...	...	...	...
...	54°079	-7°731	-4	...	...	...	57°327	+30°113	0°90	...	...	...	...	...	...	...
...	54°094	-9°106	-5	e	...	...	57°329	-3°137	-2	...	...	...	...	...	...	...
...	54°135	+20°431	-5	m	...	...	57°346	+36°685	-1	...	...	...	...	...	...	...
*	54°225	-21°006	1°00	...	...	...	57°363	-45°621	-2	...	...	...	...	...	...	...
...	+54°254	-36°140	-1	...	...	...	+57°385	-48°804	-5	m	...	...	...	...	...	...
...	54°281	+49°608	-5	e	...	...	57°436	+38°834	-5	e	...	...	...	...	...	...
*	54°330	+30°132	1°05	46.8771	9°8	...	57°449	+11°030	-1	...	...	...	...	...	...	...
...	54°381	-5°160	-3	...	...	...	57°484	+43°108	0°95	46.8778	9°8	...	...	...	...	...
...	54°382	+28°350	-4	e	...	...	57°517	-18°193	-3	...	...	...	...	...	...	...
1881	1941	1951
...	+54°418	-26°406	0°90	...	...	*	+57°545	+14°645	0°75	...	...	...	...	...	...	...
...	54°423	+25°581	0°90	...	...	...	57°611	+49°281	-5	...	...	...	...	...	...	...
*	54°469	-25°821	1°00	47.8397	9°8	...	57°731	-56°384	-1	...	...	...	...	...	...	...
...	54°484	-38°411	-4	e	...	...	57°764	+56°569	-5	e	...	...	...	...	...	...
†	54°504	-15°722	-5	...	...	...	57°791	+27°385	-1	...	...	...	...	...	...	...
...	+54°507	+36°491	-5	e	...	...	+57°982	-35°208	-4	...	...	...	...	...	...	...
†	54°626	+57°857	-5	...	...	...	58°275	-33°252	-5	...	...	...	...	...	...	...
...	54°671	+18°878	-5	e	...	...	58°287	+0°311	-2	...	...	...	...	...	...	...
*	54°691	-3°251	1°60	47.8396	8°8	...	58°290	+10°084	-4	...	...	...	...	...	...	...
...	54°716	+12°692	-4	...	...	...	58°502	-31°088	0°80	...	...	...	...	...	...	...

1914, 1916. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
1-60																	
I	-59°857	-56°988	-5	o	...	61	-55°791	+42°938	-5	E	...	121	-52°542	+23°414	-2	o	...
...	59°787	+9°011	-4	...	...	...	55°769	+30°859	-5	E	...	...	52°535	-57°729	-5	M	...
...	59°634	+28°159	-5	...	...	...	55°634	+20°941	-5	E	...	...	52°505	-17°995	0°70	...	...
...	59°582	-26°405	-3	...	...	...	55°595	+25°250	-4	E	...	*	52°448	-50°743	1°20	47.8393	9°8
...	59°546	+39°432	-5	E	...	...	55°508	-22°083	-5	...	...	...	52°395	+10°315	-5	E	...
...	-59°450	-16°641	-5	M	...	...	-55°502	-27°752	-5	M	...	...	-52°261	+0°157	-5	M	...
...	59°434	+25°422	0°90	...	...	...	55°475	-16°602	-4	...	...	*	52°227	-24°514	-4	...	...
...	59°274	+27°947	-5	M	...	...	55°470	-3°997	0°80	...	...	...	52°220	+0°261	1°15	46.8769	9°3
...	59°147	+30°159	-5	M	...	...	55°348	+31°051	-5	E	...	...	52°110	+16°170	-5	M	...
*	59°089	+41°863	2°00	46.8763	9°1	...	55°300	-23°039	-5	E	...	...	51°974	+50°083	-5	E	...
II	-59°050	+22°885	-5	...	...	71	-55°277	-36°651	-4	E	...	131	-51°938	+3°515	-1	...	...
...	59°006	-26°713	0°70	...	...	...	55°092	+29°370	-5	E	...	...	51°909	-34°731	0°70	...	...
...	59°005	-26°959	1°00	...	...	...	55°058	-6°132	0°85	...	...	...	51°896	-15°166	-5	M	...
*	58°935	+8°671	1°05	46.8762	9°4	†	54°983	-47°295	-5	...	...	...	51°715	-16°034	-5	M	...
†	58°909	-14°987	-5	...	...	...	54°738	+21°243	0°65	...	...	...	51°543	+48°457	-4	E	...
...	-58°859	+52°060	-5	...	...	...	-54°630	+14°632	-5	M	...	...	-51°475	-33°575	-2	...	...
...	58°795	-9°660	-5	M	...	...	54°626	-25°136	-3	...	...	...	51°395	-49°647	-2	...	...
...	58°790	-22°780	0°90	...	...	...	54°623	+58°923	-1	...	...	...	51°394	-35°033	0°80	...	...
...	58°786	+35°146	-1	...	...	...	54°550	-40°468	1°00	...	...	...	51°365	+35°392	-3	...	...
...	58°774	-30°490	-4	...	...	...	54°540	-57°180	-3	...	...	...	51°196	+41°582	-4	...	...
21	-58°727	-35°425	-5	E	...	81	-54°524	+17°110	-4	...	...	141	-51°152	-11°915	-2	...	...
...	58°721	-52°903	-5	...	...	N	54°489	-44°429	-5	...	...	*	50°929	+23°993	0°90	...	...
...	58°639	+31°655	-5	E	...	...	54°485	+32°815	-5	E	...	...	50°836	-15°414	-3	...	...
...	58°606	+33°597	-5	E	...	N	54°422	-44°467	-5	...	...	S*	50°789	+56°665	3°00	46.8770	8°2
...	58°577	-33°275	-5	M	...	...	54°398	+40°237	-3	...	...	...	50°652	+5°526	-3	...	...
...	-58°530	-0°340	-4	β	...	...	-54°363	+24°340	-3	...	...	...	-50°407	-58°687	-3	...	...
...	58°528	-16°422	-3	...	...	...	54°282	+39°641	-3	...	...	...	50°315	+25°745	-5	M	...
...	58°521	-39°416	1°00	...	...	...	54°200	-29°498	-2	...	...	...	50°189	-1°387	-4	E	...
...	58°488	-36°459	-5	...	...	...	54°141	-11°943	-3	...	...	...	50°167	+14°140	-3	E	...
...	58°349	+38°565	-5	E	...	...	54°111	+42°419	-3	...	...	...	50°088	-7°003	-3	...	...
31	-58°089	-7°940	0°80	...	...	91	-53°988	+18°331	-1	...	...	151	-49°993	+23°866	-5	E	...
...	57°908	+0°629	-4	...	...	...	53°981	+41°052	-4	...	...	...	49°966	+35°508	-2	...	...
...	57°888	+34°578	-3	...	...	...	53°972	+20°430	0°80	...	...	...	49°956	-50°228	1°00	...	...
...	57°816	-50°462	-5	E	...	...	53°959	-39°300	-5	M	...	...	49°889	-49°740	-1	...	...
...	57°680	-28°674	-3	...	...	...	53°948	-0°549	-5	E	...	...	49°814	+38°141	-5	E	...
...	-57°651	-49°953	-5	E	...	*	-53°936	+27°413	1°20	46.8767	9°6	...	-49°795	+8°546	0°90	...	...
...	57°565	+6°013	0°90	...	...	...	53°891	+30°257	-5	E	...	...	49°649	+4°738	0°70	...	...
...	57°515	+9°177	-5	E	...	...	53°858	+38°785	-4	...	...	...	49°631	+49°675	-5	E	...
...	57°443	-5°038	-5	E	...	...	53°853	-41°188	-2	...	...	...	49°630	-53°602	-5	M	...
...	57°414	+30°363	-5	E	...	...	53°760	-19°569	-5	M	...	...	49°558	+57°926	-5	...	...
41	-57°406	+10°974	1°00	46.8764	9°5	101	-53°735	+43°197	-3	...	...	161	-49°536	+55°451	-1	...	...
...	57°380	-42°011	-5	...	...	*	53°696	-34°497	1°20	46.8792	9°4	...	49°483	+54°302	-5	M	...
†	57°372	+34°909	-1	...	...	...	53°682	-51°125	-3	...	...	...	49°334	-43°673	-4	...	...
*	57°074	+7°331	1°00	46.8765	9°6	...	53°526	+13°229	-4	...	...	...	49°286	-19°010	-5	E	...
...	57°055	-43°826	-1	...	...	*	53°493	+2°993	1°20	46.8766	9°3	...	49°216	+14°404	-4	...	...
...	-57°030	-21°793	-5	M	...	...	-53°373	+58°118	-5	...	...	...	-49°100	-47°034	-5	E	...
...	56°861	+19°588	0°95	...	...	...	53°249	-42°689	0°65	...	...	...	49°089	-20°789	-4	...	...
...	56°837	-31°333	0°65	...	...	...	53°186	-9°070	-5	M	...	*	49°032	-36°900	1°05	47.8394	9°4
*	56°767	-32°626	1°00	47.8387	9°8	...	53°172	+0°720	-5	E	...	+	49°007	+54°759	1°30	46.8772	9°4
*	56°721	-22°388	1°10	47.8388	9°5	*	53°167	+20°232	1°30	46.8768	9°1	...	48°993	+36°578	-5	E	...
51	-56°642	+52°974	-5	E	...	111	-53°136	+44°160	-4	E	...	*	-48°970	+30°224	1°00	46.8771	9°8
...	56°584	-32°487	-1	...	...	...	53°119	+23°657	-5	E	...	...	48°939	-3°260	-3	E	...
S*	56°527	-11°215	2°80	47.8390	8°2	...	53°095	+58°989	-5	E	...	...	48°928	+18°988	0°80	...	...
...	56°461	-29°573	-4	...	...	...	53°052	-12°667	-5	M	...	...	48°926	-5°594	-5	E	...
...	56°044	+52°911	-5	E	...	...	52°971	+29°349	-5	E	...	...	48°888	+16°421	0°80	...	...
...	-56°030	-9°297	-3	...	...	...	-52°947	-1°732	-4	E	...	...	-48°871	+28°437	-5	E	...
...	56°023	+36°441	-5	E	...	...	52°914	+39°289	-4	E	...	...	48°732	+25°682	0°95	...	...
*	56°001	+18°538	1°00	...	...	...	52°832	+6°349	-4	E	...	...	48°649	+43°893	-2	...	...
...	55°943	+1°998	-4	...	...	...	52°710	+29°100	-3	E	...	...	48°585	+0°477	-5	M	...
*	55°804	-6°197	2°20	47.8391	8°6	...	52°598	-46°132	-1	...	...	...	48°564	+58°564	-5	E	...

L measured from 1, 153, 341, 502, 783, 948, 1474, 1642, 1820, 2007.
 C " " 75, 253, 416, 588, 859, 1038, 1230, 1410, 1555, 1729, 1923.
 MC " " 1129, 1320.

82, 84, 47°105, 48°106, mass.

Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
181-240																		
181	-48°490	+12°536	-5	M	...	241	-45°710	-7°418	-4	o	...	301	-41°853	-29°278	-4	o M	...	
...	48°437	-3°786	-5	E	...	...	45°674	+18°597	0°90	...	...	...	41°818	+47°605	-1	...	...
...	48°264	+18°972	-4	E	...	...	45°591	+56°797	-5	M	...	...	41°817	+25°682	-4	M	...
S*	48°124	-59°341	2°00	47.8395	9°0	*	45°586	-36°492	1°00	...	...	...	41°745	+14°828	0°70	...	...
...	48°051	-31°440	-3	...	...	*	45°581	-52°343	1°10	47.8398	9°4	*	41°735	+29°214	1°00	46.8782	9°8
...	-48°024	+12°809	-3	...	...	...	-45°483	-22°367	-5	E	...	...	-41°710	+22°760	-5	M	...
...	48°023	-7°626	-3	...	...	...	45°416	+27°589	0°85	...	...	...	41°710	-32°972	-5	M	...
...	47°985	-16°759	-5	M	...	...	45°264	+14°841	0°85	...	...	...	41°705	+14°105	0°70	...	...
...	47°956	-9°002	-4	E	...	...	45°249	+11°232	0°70	...	...	...	41°668	+8°524	-2	...	...
...	47°792	+11°120	-4	E	...	...	45°112	-37°908	-5	E	...	...	41°588	-13°437	-3	...	...
191	+	-47°791	-5°045	-3	...	...	-45°044	-25°788	-4	M	...	311	-41°506	+40°608	-4	A	...
...	47°711	-18°829	-5	...	...	...	45°021	+45°998	-5	E	...	...	41°483	-12°093	-5	M	...
*	47°688	+37°453	1°05	46.8773	9°8	†	44°906	-2°941	-3	...	...	...	41°411	+21°653	-3	...	...
...	47°653	+41°792	-2	...	...	...	44°789	-19°690	-4	E	...	...	41°355	+18°346	-4	...	...
...	47°643	-42°288	-1	...	...	...	44°754	-2°152	-5	M	...	...	41°353	+27°644	-5	M	...
...	-47°562	-24°685	0°75	...	...	...	-44°659	+46°111	-5	M	...	...	-41°342	+50°815	-5	M	...
†	47°552	-34°978	-2	...	...	...	44°561	-23°015	-4	...	...	*	41°335	+45°615	1°35	46.8783	9°3
*	47°528	-3°133	1°00	47.8396	8°8	...	44°372	+10°308	-4	...	...	...	41°320	+47°449	-1	A	...
...	47°522	+29°126	0°90	...	...	...	44°354	+40°612	-4	E	...	*	41°269	+20°378	1°00	...	...
...	47°522	+7°839	-5	E	...	...	44°281	-48°444	-5	M	...	...	41°212	-20°653	0°70	...	...
201	*	-47°461	+44°019	1°30	46.8774	9°3	...	-44°243	-39°656	-5	E	...	321	-41°209	+8°428	-4	M	...
...	47°438	-20°896	0°95	...	...	...	44°235	-17°966	-3	...	...	...	41°106	-13°736	-5	M	...
...	47°433	-2°996	-5	E	...	...	44°231	-29°066	-3	...	...	...	41°027	+4°196	-5	M	...
...	47°366	+41°570	-5	E	...	...	44°197	-36°801	-3	...	...	...	40°972	-50°538	-4	...	...
...	47°322	-15°614	-3	...	...	...	44°057	+0°546	-3	...	...	...	40°956	+23°076	-5	M	...
...	-47°316	-39°347	-3	...	...	...	-44°016	-1°472	-5	M	...	...	-40°924	+56°534	-5	M	...
...	47°290	+40°021	0°90	...	...	...	43°813	+57°281	-4	...	...	...	40°906	-54°082	-4	...	...
...	47°250	+51°969	-5	M	...	...	43°798	+51°766	-1	...	...	...	40°854	-2°025	-2	...	...
...	47°216	+34°797	-5	E	...	...	43°752	-50°755	-4	...	...	...	40°828	-33°150	-2	...	...
...	47°132	-29°449	-5	M	...	...	43°736	+24°810	-5	E	...	...	40°786	+32°966	-4	M	...
211	*	-47°074	-26°277	0°90	271	-43°622	+24°500	-4	M	...	331	-40°627	+1°430	-4	M	...
*	47°052	-25°691	1°05	47.8397	9°8	...	43°516	-45°396	-4	...	...	...	40°589	-3°446	-4	M	...
...	46°927	+2°706	-5	M	...	...	43°440	-5°750	-4	...	...	*	40°578	-33°088	0°95	...	...
...	46°927	-36°019	0°85	...	...	...	43°428	+33°506	-5	M	...	...	40°571	-6°426	-4	M	...
...	46°869	+58°634	1°00	...	...	...	43°416	+48°220	-5	M	...	...	40°340	+55°802	-5	M	...
...	-46°857	-47°168	-5	E	...	...	-43°407	+41°106	-1	...	...	...	-40°180	+28°322	-4	M	...
...	46°789	+18°046	0°70	...	...	...	43°303	-7°598	-5	M	...	...	40°180	+23°456	-4	M	...
...	46°650	+0°696	0°90	...	...	...	43°243	+16°584	-4	M	...	...	40°158	-31°446	-4	M	...
*	46°648	+25°515	1°00	46.8775	9°8	...	43°235	-34°979	-4	...	...	...	40°131	-12°919	-3	...	...
...	46°638	-23°615	-5	...	...	*	43°223	+17°854	1°15	46.8779	9°6	...	40°094	+25°615	-5	M	...
221	...	-46°629	-38°282	-2	E	...	281	-43°205	+28°926	0°70	341	-39°986	-37°067	-5
...	46°607	+35°859	-5	E	...	...	43°198	-2°003	-3	...	...	...	39°902	-4°846	-2	...	...
...	46°568	-8°944	0°90	...	...	...	42°989	-33°001	-4	...	...	*	39°503	+56°324	1°35	46.8784	9°8
...	46°517	+16°714	0°90	46.8776	9°8	...	42°940	-16°236	-3	...	...	...	39°476	+25°092	-5	M	...
*	46°479	+16°900	1°00	...	...	...	42°866	+28°697	0°90	...	...	*	39°472	-20°589	1°10	47.8399	9°8
...	-46°390	+37°488	-1	...	...	...	-42°862	-52°958	-5	M	...	...	-39°408	-39°742	-3	...	...
*	46°364	+28°352	2°40	46.8777	8°5	...	42°861	+39°169	-5	M	...	...	39°323	+0°028	-5	M	...
...	46°362	+23°803	0°70	...	...	...	42°856	-11°758	-4	E	...	...	39°196	+36°916	-5	M	...
...	46°360	+56°754	-5	E	...	...	42°855	-30°835	0°90	...	...	...	39°076	-53°154	-5	M	...
...	46°317	-22°950	0°70	...	...	*	42°827	+22°359	1°00	46.8780	9°8	...	38°973	-16°247	-5	M	...
231	...	-46°297	+49°476	-4	291	-42°816	-56°132	-1	351	-38°970	+36°345	-5	M	...
*	46°270	+31°162	1°00	...	...	...	42°621	+54°666	0°85	...	...	...	38°830	+45°009	-2	...	...
†	46°239	+4°944	-5	M	...	*	42°590	+24°735	1°25	46.8781	9°3	...	38°795	+5°442	-5	M	...	
...	46°224	+43°290	1°00	46.8778	9°8	...	42°565	-20°259	-2	...	...	...	38°677	-19°861	-2	...	...
...	46°171	+36°859	-1	...	...	...	42°401	-7°242	-5	M	...	*	38°641	+4°703	-5	M	...
...	-46°149	+39°020	-5	E	...	...	-42°342	+3°466	-3	...	...	*	-38°570	+21°206	1°00	...	...
*	46°114	-35°381	0°90	...	...	...	42°295	+54°647	-4	D	...	...	38°551	-43°892	-5	M	...
*	45°975	+30°302	1°00	...	...	...	42°198	+5°973	-4	M	...	...	38°549	-39°091	-5	M	...
...	45°752	+0°289	-4	...	...	...	41°921	-18°133	-5	M	...	...	38°537	-3°522	-5	M	...
...	45°726	-5°705	-5	M	...	...	41°898	+14°801	-4	...	...	...	38°445	-4°960	0°90	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
361-420																	
361	-38·437	+27·185	-5	M	...	421	-34·680	+19·685	-2	...	...	481	-30·896	+37·424	0·80	...	...
*	38·374	-7·118	2·00	47.8400	8·5	*	34·672	-30·494	1·25	47.8402	9·2	...	30·861	+22·065	-1	...	...
...	38·289	+36·252	-4	M	...	...	34·603	+33·132	-2	...	...	...	30·853	-38·403	-1	...	...
...	38·264	-40·491	0·90	...	...	...	34·577	-5·505	-2	...	...	...	30·849	-48·693	-5	M	...
...	38·148	-17·361	-5	...	...	...	34·551	+19·539	-5	M	...	...	30·845	-15·040	-5	...	...
...	-38·114	+13·027	-4	...	...	...	34·548	-12·276	0·75	...	...	...	-30·765	+30·248	-3	...	...
...	37·950	-18·215	-5	M	...	...	34·514	+19·140	-3	...	...	...	30·722	+53·352	0·85	...	...
...	37·885	+9·009	-5	M	...	...	34·486	+37·803	0·70	...	...	...	30·700	+30·366	-5	M	...
...	37·882	+36·648	-3	A	...	*	34·466	+31·350	1·00	...	...	...	30·683	+15·268	0·75	...	...
†	37·870	-54·897	-4	...	...	...	34·450	-38·667	-5	M	...	...	30·584	-3·445	-4	M	...
371	-37·803	-6·667	-5	M	...	431	-34·388	-54·986	-3	...	...	491	-30·560	+57·483	-5	M	...
...	37·715	+56·925	-4	...	...	...	34·354	-35·270	-4	...	...	...	30·555	-45·676	-5	M	...
...	37·713	-13·175	-5	...	...	...	34·286	-18·326	0·70	...	...	...	30·540	+14·716	-5	M	...
*	37·662	+13·380	1·00	46.8785	9·8	...	34·257	+22·253	-3	...	...	...	30·477	-31·409	-4	...	...
...	37·631	+40·303	-5	M	...	...	34·247	-47·721	-5	M	...	...	30·458	+8·765	1·15	46.8790	9·6
...	-37·626	+47·124	-5	M	...	*	34·212	-12·694	1·00	...	...	...	30·434	-45·777	-5	M	...
...	37·619	+35·928	-5	M	...	...	34·055	+28·516	-5	M	...	...	30·420	-36·641	-5	M	...
...	37·617	+16·376	-5	M	...	...	33·974	+2·610	-4	...	...	...	30·246	-59·308	-5	M	...
*	37·424	+44·468	2·00	46.8786	8·6	...	33·971	-43·039	-5	M	...	...	30·187	-3·602	-2	...	...
...	37·383	+56·299	-5	M	...	...	33·920	+1·569	-4	...	...	...	30·168	-31·743	-5	M	...
381	-37·295	-44·993	-4	M	...	441	-33·892	+9·380	-5	M	...	501	-30·162	+28·409	-4	M	...
...	36·901	+11·259	-4	...	...	...	33·788	+41·483	-5	M	...	...	30·010	-54·210	-1	...	...
...	36·879	+34·359	0·90	...	...	...	33·638	+57·684	-1	...	...	...	29·767	+21·349	-5	M	...
...	36·746	-41·616	-5	M	...	...	33·602	+14·542	-4	M	...	...	29·748	+4·534	-5	...	...
...	36·744	-39·678	0·95	...	...	...	33·533	+12·720	-4	...	...	...	29·615	+5·794	0·70	...	...
...	-36·706	+2·229	0·85	...	...	...	33·487	+45·029	-4	M	...	...	-29·594	+12·253	-2	...	...
...	36·669	+41·145	-5	M	...	...	33·444	+8·753	-5	M	...	...	29·593	+35·933	-5	M	...
...	36·577	+1·170	-5	M	...	...	33·421	+21·129	-4	...	...	...	29·528	+32·528	-4	...	...
...	36·565	-5·788	-5	M	...	...	33·263	+58·070	-5	M	...	...	29·528	-8·701	-2	...	...
*	36·375	-35·171	1·00	47.8401	9·8	...	33·247	-16·032	0·70	...	...	...	29·261	+14·285	0·90	...	...
391	-36·299	-19·097	0·75	...	...	451	-33·237	-59·234	-1	...	...	511	-29·231	-21·384	-5	...	...
...	36·282	+45·726	-5	M	...	...	32·997	-7·605	-3	...	...	...	28·887	+20·167	1·00	46.8792	9·8
...	36·268	+32·346	-5	M	...	...	32·928	-57·885	-3	...	...	...	28·854	+7·284	2·00	46.8791	9·0
...	36·235	-15·158	-2	...	...	...	32·807	-21·833	-5	M	...	...	28·847	+25·555	-5	M	...
...	36·215	+30·681	-3	A	...	...	32·777	+51·204	-5	M	...	...	28·785	+26·450	0·65	...	...
...	-36·199	+57·184	-5	M	...	...	32·765	+55·681	-3	...	...	...	-28·650	+17·612	-5	M	...
...	36·165	+23·507	-4	...	...	...	32·676	-8·738	-5	...	...	...	28·445	-42·161	0·85	...	...
...	36·073	+7·340	-5	M	...	...	32·633	+6·627	0·75	...	...	...	28·409	-32·893	-4	...	...
...	36·024	+9·291	-5	M	...	...	32·507	-39·322	-4	M	...	...	28·324	+24·572	1·00	46.8793	9·8
...	35·996	+8·712	-5	M	...	...	32·455	+30·512	-4	M	...	...	28·288	-39·033	1·00	...	...
401	-35·934	+23·064	0·70	...	...	461	-32·445	+12·802	-5	M	...	521	-28·065	+54·833	1·00	...	...
...	35·926	-37·544	-4	...	...	...	32·229	+32·103	-5	M	...	...	28·029	+20·731	0·90	...	...
*	35·906	+3·693	1·00	46.8787	9·8	...	32·201	-54·103	-4	M	...	...	27·896	+54·060	1·20	46.8794	9·4
*	35·889	+34·788	1·10	46.8788	9·5	...	32·139	+55·989	-5	M	...	...	27·861	+24·732	-4	M	...
...	35·805	-57·460	1·00	...	...	...	32·110	-2·102	-3	...	...	...	27·825	+42·109	0·85	...	...
...	-35·747	+10·361	-5	M	...	...	31·931	-11·132	-1	...	...	...	27·802	-57·031	-5	M	...
...	35·739	-36·750	-5	M	...	...	31·885	+50·983	-2	...	...	...	27·766	-43·229	-5	M	...
...	35·470	+25·059	-5	M	...	*	31·701	+2·398	1·20	46.8789	9·6	...	27·761	+22·577	-5	M	...
...	35·405	+47·478	-5	M	...	...	31·641	-36·680	-3	...	...	...	27·735	-45·358	-5	M	...
...	35·377	+27·973	0·70	...	...	...	31·564	+11·802	-5	M	...	...	27·695	-55·111	-5	M	...
411	-35·311	+16·022	-4	...	...	471	-31·546	-35·579	0·95	...	...	531	-27·679	-44·975	-4	...	...
...	35·261	+4·470	-2	...	...	...	31·526	-30·138	-4	...	...	...	27·531	-56·283	-5	M	...
...	35·235	-46·842	-3	...	...	...	31·472	+38·827	0·80	...	...	...	27·510	+2·530	-5	M	...
...	35·197	-18·001	-5	M	...	...	31·439	-58·407	-5	M	...	...	27·493	+0·008	-5	M	...
†	34·910	+42·415	-5	...	...	...	31·386	-52·196	-5	M	...	S*	27·490	-37·219	2·00	47.8403	8·7
...	-34·805	+41·597	-4	A	...	...	31·322	-23·571	-3	...	...	*	-27·457	-0·940	1·00	...	...
...	34·794	+32·889	-3	...	...	...	31·303	-24·688	-3	...	...	...	27·424	-18·188	-2	...	...
...	34·765	+20·308	-3	...	...	...	31·172	+17·872	-5	M	...	...	27·331	+35·823	-5	M	...
...	34·730	-14·663	-2	...	...	...	30·981	+2·883	-5	M	...	...	27·324	+54·507	-5	M	...
...	34·720	+8·698	-4	M	...	...	30·948	+28·995	-5	M	...	*	27·171	+18·733	1·00	46.8795	9·6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
541-600																	
54 ¹	-27°11'13	-53°77'2	1°00	o	...	60 ¹	-24°13'5	+48°09'5	-5	M	...	66 ¹	-21°07'4	-34°42'7	-5	o M	...
...	27°03'5	-58°82'3	-4	...	...	...	24°07'5	-10°14'4	-5	M	...	...	21°07'2	-40°92'7	-5	M	...
...	27°03'2	+31°43'6	0°75	...	...	...	24°04'9	-17°52'7	-2	...	...	...	21°01'0	+2°12'9	-5	M	...
...	27°02'3	-12°44'3	-5	M	...	...	24°00'6	-8°09'6	-5	...	...	...	20°96'7	-25°60'8	-5	M	...
...	27°00'2	+25°82'9	-5	M	...	...	23°98'8	-53°27'2	-5	M	...	...	20°95'9	+33°88'1	-5	M	...
*	-26°93'3	+52°77'0	1°00	...	...	...	-23°97'0	-28°68'9	-5	M	...	...	-20°83'1	+27°40'0	-5	M	...
...	26°89'6	-34°30'7	-5	M	...	...	23°87'7	-5°35'8	-1	...	...	*	20°67'2	-50°26'9	1°35'	47.8409	9°2
*	26°88'4	+0°80'8	1°00	...	...	...	23°82'7	-20°54'2	-5	...	...	*	20°64'5	+44°14'7	1°05	...	...
..	26°87'6	+12°00'3	-5	M	...	...	23°79'4	+35°40'4	-1	...	...	...	20°64'3	-40°11'6	-3	...	...
...	26°77'0	+21°09'7	-5	M	...	...	23°78'7	+26°81'5	-5	M	...	...	20°64'2	+0°96'9	0°80	...	...
55 ¹	-26°71'5	+43°43'9	-5	M	...	61 ¹	-23°64'9	+18°07'0	-3	...	...	67 ¹	-20°60'5	-44°53'6	-3	...	...
...	26°61'3	-28°36'2	-5	M	...	...	23°62'9	+46°84'3	-4	M	...	...	20°57'5	-11°78'0	-4	...	...
*	26°51'2	+55°47'0	1°20	46.8798	9°6	...	23°57'4	-5°74'5	-2	...	...	*	20°56'1	+16°59'6	1°20	46.8805	9°4
...	26°45'2	+33°70'2	-5	M	...	...	23°53'8	+10°94'6	-4	...	...	...	20°47'4	-27°92'9	-5	...	...
...	26°45'0	-42°47'2	-4	...	...	...	23°53'7	-43°31'3	-4	M	...	*	20°42'3	+10°60'4	1°10	46.8806	9°6
...	-26°39'9	-42°52'4	-5	...	...	...	-23°48'5	-55°42'8	0°95	...	...	...	-20°33'6	+28°29'0	0°75	...	...
...	26°38'6	-40°28'8	-5	M	...	...	23°48'4	-53°41'3	-5	M	...	...	20°31'0	+29°61'7	-3	...	...
...	26°36'8	+14°37'3	-5	M	...	...	23°39'1	+11°96'3	-5	M	...	...	20°22'0	+8°50'0	-5	...	...
...	26°33'9	+26°46'7	-2	...	...	...	23°35'7	-23°14'7	0°75	...	...	...	20°17'0	-57°08'1	0°90	...	...
*	26°33'8	-3°67'6	1°00	47.8404	9°8	...	23°32'1	-6°88'2	-1	...	...	...	20°09'6	-24°86'1	0°80	...	...
56 ¹	-26°28'2	+32°53'8	-5	M	...	62 ¹	-23°30'3	-39°75'7	-3	...	...	68 ¹	-19°94'0	-19°03'6	1°00	...	...
...	26°23'7	-50°53'4	-3	...	...	...	23°18'3	+37°50'6	-2	...	...	†	19°90'1	+38°26'4	-5	M	...
...	26°21'6	+51°84'4	-5	M	...	*	23°13'7	+3°38'7	0°95	46.8800	9°8	...	19°87'7	-20°06'7	-5	...	...
*	26°20'0	+27°76'1	1°80	46.8797	9°2	...	23°05'0	-20°72'8	-5	...	...	...	19°83'1	-58°68'8	-4	...	...
...	26°18'2	+28°51'0	-1	...	...	...	22°99'1	-1°02'1	-5	...	...	...	19°78'7	-29°12'7	-3	...	...
...	-26°17'2	+3°75'4	-2	...	...	...	-22°89'2	+55°08'3	-5	M	...	...	-19°67'9	+25°25'7	-4	...	...
*	26°10'8	+53°63'8	1°00	...	...	...	22°82'1	+37°88'0	-5	M	...	*	19°63'3	+42°87'1	1°40	46.8807	9°0
...	26°10'8	+30°15'9	-5	M	...	...	22°75'7	+52°24'6	-5	M	...	...	19°62'9	+35°70'1	-5	M	...
*	26°00'9	+11°30'4	2°00	46.8796	8°9	*	22°75'6	-43°18'4	1°10	47.8407	9°8	...	19°60'2	+47°86'0	-5	M	...
...	25°99'1	-28°53'4	-5	M	...	...	22°70'5	-21°36'5	-5	...	...	...	19°56'5	+21°56'7	-4	...	...
57 ¹	-25°96'9	+27°35'6	-5	M	...	63 ¹	-22°59'7	+29°02'1	-5	M	...	69 ¹	-19°53'6	-30°00'0	-5	...	...
...	25°96'5	+4°10'8	-5	M	...	...	22°57'9	+33°68'1	0°65	...	...	...	19°49'8	-21°39'8	0°70	...	...
...	25°90'8	+33°33'7	-5	M	...	...	22°56'5	-10°49'1	-5	M	...	...	19°48'0	-21°25'3	-3	...	...
...	25°85'7	+40°64'6	-5	M	...	...	22°53'7	-31°18'7	-5	M	...	...	19°45'0	-36°37'6	-1	...	...
...	25°83'4	+32°27'0	-5	M	...	...	22°52'8	-22°62'5	-3	...	...	...	19°42'6	+51°03'6	-5	M	...
...	-25°69'2	-37°59'7	0°65	...	...	...	-22°46'2	-47°63'4	-5	M	...	...	-19°42'6	-5°41'1	-3	...	...
...	25°64'3	+23°87'1	-5	M	...	...	22°46'1	+26°84'2	-5	M	...	...	19°42'5	+11°15'8	-5	M	...
*	25°58'4	-9°02'3	1°40	47.8405	9°2	...	22°45'5	-24°63'1	0°80	...	...	...	19°41'8	-14°78'1	-5	...	...
...	25°48'8	+28°20'6	-5	M	...	...	22°40'7	-11°21'6	-4	...	...	...	19°41'6	+54°00'0	-5	M	...
...	25°45'9	+14°48'3	-5	M	...	...	22°38'9	+18°02'1	-5	M	...	...	19°41'3	-46°06'3	-5	M	...
58 ¹	-25°36'4	-44°43'9	-5	...	...	64 ¹	-22°34'0	-5°85'6	-5	...	...	70 ¹	-19°05'5	-44°28'6	-4	M	...
*	25°27'7	+32°72'4	1°20	46.8799	9°4	...	22°30'1	+7°90'5	-3	...	...	...	18°91'0	-26°11'0	-5	M	...
...	25°25'1	+42°76'7	-5	M	...	...	22°29'3	-33°42'2	-3	...	...	...	18°71'8	-58°35'5	-5	M	...
...	25°13'7	+21°98'2	-4	...	...	*	22°15'1	+29°67'7	1°05	46.8801	9°6	...	18°66'0	+27°15'4	-1	...	...
...	25°12'0	+25°19'3	0°95	...	...	...	22°10'8	-52°55'7	-5	M	...	...	18°57'8	+40°95'0	-5	M	...
...	-25°06'4	+22°41'8	-5	M	...	...	-22°10'4	+29°75'8	-4	...	...	...	-18°56'3	-56°17'7	0°90	...	...
†	25°04'6	+19°99'2	1°00	...	...	*	22°09'4	+31°63'9	2°70	46.8802	8°1	...	18°50'0	+34°49'2	-3	...	...
†	24°86'3	+51°14'5	0°70	...	...	...	22°06'9	+11°21'4	-3	...	...	...	18°48'4	-58°07'8	-3	...	...
...	24°82'6	-58°89'9	-4	...	...	...	22°00'4	-5°66'7	-5	...	...	...	18°37'6	+49°54'7	-3	...	...
...	24°78'6	+3°36'5	-3	...	...	...	21°61'8	+19°63'1	-4	M	...	*	18°31'9	-19°10'6	2°50	47.8410	8°4
59 ¹	-24°63'4	-57°04'0	0°80	...	...	65 ¹	-21°57'9	+15°06'8	-5	M	...	71 ¹	-18°27'5	-1°87'0	1°00	47.8412	9°8
...	24°52'0	+55°51'6	-5	M	...	...	21°54'0	+10°10'7	-5	M	...	...	18°27'2	-33°59'1	-5	M	...
...	24°49'9	+22°23'9	-5	M	...	*	21°42'7	-9°02'6	1°20	47.8408	9°3	...	18°26'3	+26°60'9	-5	M	...
...	24°41'5	-37°03'4	-3	...	...	...	21°42'2	-51°96'8	-5	M	...	...	18°21'1	-34°69'0	-5	...	...
...	24°41'3	+24°13'2	-3	...	...	...	21°41'9	+12°27'0	-4	...	...	*	18°18'5	-32°99'3	1°20	47.8411	9°5
*	-24°38'2	-30°73'9	1°20	47.8406	9°4	...	-21°41'5	+6°22'5	-5	M	...	...	-18°18'2	+25°71'9	-4	...	...
...	24°36'6	-42°61'1	-5	M	...	*	21°37'7	+20°62'3	1°35	46.8803	9°3	...	18°10'5	-49°28'0	-5	M	...
...	24°35'9	-33°94'0	-4	M	...	...	21°25'3	+0°49	-5	M	...	...	18°03'6	-20°94'2	-3	...	...
...	24°35'2	+32°22'3	-5	M	...	...	21°14'7	+16°73'3	-5	M	...	...	18°00'8	+34°06'2	-4	...	...
...	24°16'0	-1°80'7	-5	...	...	*	21°08'5	+47°42'0	1°25	46.8804	9°4	...	17°99'2	-54°82'7	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
721-780																	
721	-17.972	-21.019	-4	o	...	781	-15.019	+22.814	-3	o	...	841	-11.259	+9.118	-3	o	...
...	17.823	+26.232	-5	M	...	...	14.978	+58.059	1.10	46.8815	9.6	...	11.158	+59.085	-5	M	...
...	17.808	-15.561	-5	...	...	...	14.915	+51.552	1.00	...	...	...	11.148	+4.718	-5	M	...
...	17.800	+1.731	-4	M	...	...	14.896	-55.602	-5	...	...	...	11.068	+41.608	0.90	...	...
...	17.787	-49.822	0.90	...	...	...	14.861	+17.513	0.80	...	...	...	11.047	+9.618	-5	M	...
...	-17.782	-18.459	-5	...	...	...	14.685	+14.538	-5	...	...	...	-11.001	+35.115	-4	M	...
...	17.769	-45.729	-4	...	...	...	14.669	+41.450	-4	...	...	...	10.943	-55.714	-5	M	...
...	17.739	+36.192	-5	M	...	...	14.414	+52.510	-5	M	...	...	10.894	-56.310	-2	...	...
...	17.712	+24.089	-4	...	...	...	14.288	-11.766	-5	M	...	...	10.795	-41.051	-5	M	...
...	17.611	-46.873	-3	...	...	...	14.241	-35.443	-4	...	...	...	10.769	+18.284	-5	...	...
731	-17.598	-2.744	-5	M	...	791	-13.973	+14.000	-5	...	...	851	-10.759	+36.353	0.90	...	...
*	17.381	+21.464	1.40	46.8808	8.9	...	13.959	+57.768	-5	M	...	...	10.698	-53.931	-5	M	...
...	17.256	+24.092	-4	...	...	...	13.828	+40.971	-5	M	...	...	10.655	+55.056	-5	M	...
...	17.249	+21.566	-3	...	...	...	13.827	-12.262	-5	M	...	...	10.390	+23.444	-5	M	...
...	17.045	-57.436	-4	...	...	...	13.740	-39.896	-5	...	...	...	10.373	+51.511	1.35	46.8822	9.3
...	-17.022	+10.545	-4	M	...	*	-13.730	+50.025	1.00	46.8816	9.6	...	-10.215	+35.522	-5	M	...
...	17.011	-25.639	0.90	...	...	...	13.677	+42.610	-5	M	...	...	10.160	+43.477	0.90	...	...
*	17.008	-56.538	1.00	...	...	...	13.664	+1.046	-5	M	...	...	10.078	-28.153	0.90	...	...
...	16.973	+26.449	-4	M	...	...	13.639	+37.184	-5	M	...	...	10.024	-56.654	-5	...	...
...	16.944	-47.162	-5	M	...	...	13.631	+4.243	-5	M	...	...	9.895	+1.230	1.00	46.8823	9.8
741	-16.910	+25.972	-4	...	...	801	-13.531	+32.027	0.85	...	...	861	-9.847	-11.173	1.00	47.8418	9.8
...	16.902	-25.327	-5	...	...	*	13.529	+33.548	1.80	46.8817	8.8	...	9.807	+21.634	-4	M	...
...	16.884	+6.945	0.80	...	...	...	13.342	+10.614	-5	...	...	...	9.775	-54.806	-5	M	...
...	16.852	+42.978	0.70	...	...	...	13.271	-38.511	-5	M	...	...	9.600	-36.609	-3	...	...
†	16.661	-54.868	-5	...	...	...	13.231	+7.291	-5	M	...	...	9.544	-52.884	-5	M	...
...	-16.649	+6.558	-4	...	...	...	13.149	-37.999	-5	M	...	...	9.400	+38.215	-4	M	...
...	16.619	+15.804	-5	M	...	...	13.145	-51.888	-5	M	...	...	9.358	+25.155	-4	...	...
*	16.595	+47.247	1.00	...	...	*	13.068	-31.340	1.00	47.8414	9.5	...	9.357	-58.477	-2	...	...
...	16.562	+55.982	0.65	...	...	*	13.062	+16.663	1.05	46.8818	9.6	...	9.336	+58.443	-4	...	...
*	16.440	+28.626	1.35	46.8809	9.2	...	13.040	-59.199	-5	...	...	...	9.247	-13.446	-5	...	...
751	-16.424	+41.814	-5	M	...	811	-12.920	-31.200	-5	...	...	871	-9.223	+34.324	1.00	...	...
...	16.401	+44.052	-4	M	...	...	12.903	+34.082	-5	M	...	...	9.141	+25.330	0.70	...	...
*	16.396	+46.294	1.00	...	...	...	12.827	-43.621	-4	...	...	...	9.141	-35.646	-5	M m	...
...	16.309	-2.889	-4	...	...	*	12.756	-30.620	1.00	47.8415	9.8	...	9.123	-3.248	-5	...	...
...	16.303	-42.802	-5	M	...	...	12.680	+47.354	0.90	...	...	...	9.110	+13.024	-5	M	...
...	-16.271	+28.214	-5	M	...	...	12.568	+3.876	-5	...	...	...	9.069	-24.344	-4	...	...
...	16.235	+16.350	-4	...	...	S *	12.542	+7.948	5.60	46.8819	6.8	...	9.067	+45.602	-4	M	...
...	16.191	-7.913	0.80	...	...	...	12.427	+41.676	0.90	...	...	...	8.904	-51.218	-5	...	...
...	16.179	-46.858	-2	...	...	...	12.382	+32.715	-5	M	...	...	8.750	-58.623	-5	M m	...
...	16.074	-21.696	-5	...	...	...	12.241	-45.090	-4	M	...	...	8.676	-29.168	-5	M m	...
761	* -16.055	+40.137	1.00	46.8811	9.8	821	-12.232	+21.737	-5	M	...	881	-8.658	+9.343	-4	...	...
...	15.918	-10.758	-5	M	...	...	12.153	-6.841	-4	...	...	...	8.635	-26.946	-3	...	...
...	15.856	-15.925	-4	...	...	...	11.988	-4.778	-5	...	...	...	8.481	+23.871	1.10	...	...
S *	15.850	-48.237	2.00	47.8413	8.5	*	11.960	-45.977	1.00	...	...	...	8.458	+24.759	-4	...	...
...	15.844	+13.340	0.90	46.8810	9.8	...	11.901	-11.021	-5	...	...	...	8.411	-9.719	1.40	47.8419	8.8
...	-15.820	-57.177	-5	...	...	*	11.860	+24.888	-5	M	...	...	8.397	+37.881	-5	M	...
...	15.760	-14.794	0.85	...	...	*	11.856	+17.652	1.00	46.8821	9.8	...	8.327	-38.109	-5	M m	...
...	15.749	+10.238	-5	...	...	...	11.855	+43.958	0.90	...	...	...	8.286	+54.946	-4	...	...
*	15.667	+19.509	1.00	46.8812	9.8	*	11.794	+8.452	1.00	46.8820	9.3	*	8.064	+15.263	1.20	46.8824	9.6
...	15.648	+19.230	-5	M	...	...	11.763	+11.628	-5	...	...	...	7.992	+43.209	-4	M	...
771	* -15.617	+51.076	1.10	46.8814	9.8	831	-11.762	-29.758	1.00	47.8417	9.6	...	-7.964	-9.594	-5	m	...
...	15.478	-45.904	-5	M	...	...	11.701	+47.285	0.90	...	...	...	7.961	+53.072	-1	...	...
*	15.454	+17.868	1.20	46.8813	9.6	*	11.694	-58.623	1.00	47.8416	9.6	...	7.906	+37.746	-5	M m	...
...	15.409	-45.633	0.65	...	...	...	11.663	+19.544	-5	...	...	...	7.894	-46.212	0.65	...	...
...	15.334	+19.434	-5	M	...	...	11.649	+26.416	-5	...	...	...	7.870	+40.366	-4	M m	...
...	-15.329	+25.304	-1	...	...	...	11.606	-45.802	-4	M	...	...	-7.856	-44.772	-4	...	...
...	15.322	+8.075	-5	M	...	...	11.470	+47.587	-4	...	...	...	7.797	-34.394	-5	m	...
...	15.225	+36.495	-3	...	...	...	11.452	+56.353	-4	...	...	...	7.795	-35.179	-5	m	...
...	15.163	-19.154	-5	...	...	...	11.413	-45.245	-5	...	...	...	7.792	-30.304	-4	...	...
...	15.161	+28.754	-4	...	...	...	11.407	-33.712	-4	...	...	...	7.549	+44.596	0.85	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
901-960																		
901	-7·528	+12·575	0·90	o	...	961	-3·908	+55·734	-1	o	...	1021	-0·865	+29·704	-4	o	...	
...	7·468	+49·646	-3	...	...	...	3·798	+19·621	-5	M m	...	...	0·815	+27·640	-5	...	...
...	7·408	+53·681	-5	M m	...	...	3·664	+22·454	-5	M m	...	...	0·809	-39·236	-5	M m	...
...	7·402	-8·165	-5	M m	...	...	3·660	+12·280	0·65	...	...	*	0·803	+11·835	1·00	46·8836	9·8
...	7·292	-38·282	-4	...	...	...	3·626	-13·723	-5	...	...	*	0·770	+2·781	1·00	46·8834	9·8
*	-7·223	+2·292	2·00	46·8825	8·7	†	-3·512	+39·896	-4	...	...	...	-0·769	+11·540	-1	...	...
...	7·149	-15·463	-4	...	...	*	3·495	-46·122	1·00	47·8424	9·8	...	0·764	-42·759	-5	M	...
SN*	7·131	+59·420	1·15	45·8781	9·8	...	3·476	+51·316	-5	M	...	...	0·602	-6·140	-2	...	...
SN*	7·123	-27·602	3·60	47·8420	7·6	...	3·397	+11·210	-5	m	...	*	0·527	+5·554	1·30	46·8837	9·2	
SN*	7·117	+22·329	1·40	46·8826	9·0	...	3·253	+58·938	-5	M m	...	...	0·476	+45·847	-3	...	...
911	-7·080	-51·031	-5	...	...	971	-3·232	+36·699	-3	...	...	...	-0·398	+6·063	-5	M m	...
...	7·062	-54·279	-5	M m	...	...	3·196	+16·168	-3	...	...	*	0·385	+16·990	1·00	46·8838	9·8
...	6·971	-36·474	-5	m	...	...	3·161	-36·630	-5	M	...	...	0·337	-51·429	-4	...	...
*	6·930	-58·635	1·20	47·8421	9·4	...	3·160	+24·416	1·00	46·8830	9·8	*	0·295	+58·064	1·05	46·8839	9·8	
...	6·899	-42·822	-5	M m	...	...	3·158	-33·808	-5	M m	...	...	0·261	+9·280	-5	M m	...
†	-6·830	+34·828	-5	...	...	...	-3·146	-1·710	-4	...	...	...	-0·207	+56·624	-5	M m	...
...	6·804	+31·293	-5	M m	...	...	3·104	+49·412	-5	M m	...	...	0·170	+38·653	-3	...	...
...	6·777	+31·159	-5	M m	...	*	3·104	+1·292	1·80	46·8829	9·2	†	0·104	-57·178	0·80	...	...
...	6·765	+10·888	-3	...	...	...	3·077	-20·691	-1	...	...	...	0·097	+14·242	-5	...	...
*	6·739	+59·346	1·15	45·8782	9·8	...	3·029	-41·527	-3	...	...	...	-0·015	-45·798	-5	M m	...
921	-6·599	-10·945	-4	...	...	981	-3·002	+21·994	0·90	46·8831	9·6	...	+0·049	+20·542	-4	...	...
...	6·541	+33·010	-1	...	...	*	2·916	+21·994	1·00	46·8831	9·6	...	0·093	-15·539	-5	m	...
...	6·513	+4·272	-5	M m	...	...	2·908	-13·022	-1	...	...	...	0·095	-30·619	-5	M m	...
...	6·507	+44·231	-2	...	...	...	2·896	+44·449	-5	M m	...	...	0·257	+31·276	-5	M m	...
...	6·381	+34·049	-5	M m	...	...	2·889	+56·914	-4	...	...	...	0·327	-23·804	-5	m	...
...	-6·213	-15·985	-5	M m	...	...	-2·870	+57·280	-5	M m	...	...	+0·361	+59·388	0·90	...	...
...	6·093	-7·758	-5	...	...	†	2·811	-5·113	-4	...	...	*	0·438	+37·182	1·40	46·8840	9·2
...	6·026	-50·021	-5	M m	...	...	2·809	+24·323	-2	...	...	...	0·453	-47·802	-5	...	...
...	5·996	+9·475	1·00	...	...	...	2·782	-6·225	-5	m	...	...	0·486	+35·921	-3	...	...
...	5·929	+42·393	-3	...	...	...	2·619	-54·054	-5	...	...	...	0·496	+22·098	-5	M m	...
931	-5·889	-2·115	-5	M m	...	991	-2·599	+37·774	0·70	+	0·515	+30·625	1·40	46·8841	9·3
...	5·762	+35·638	-4	...	...	*	2·558	-31·680	1·10	47·8425	9·8	...	0·546	+26·882	-5	...	...
*	5·712	-43·694	1·40	47·8422	8·8	...	2·474	+37·206	-5	M m	...	*	0·702	+4·271	1·20	46·8842	9·5	
...	5·694	-38·569	-4	...	...	...	2·351	+10·869	-3	...	...	...	0·715	+12·515	-3	...	...
...	5·578	-34·819	-5	M m	...	...	2·334	+30·543	-4	...	...	...	0·721	-50·858	-5	M m	...
*	-5·509	+43·928	1·00	46·8827	9·8	...	-2·334	-49·157	0·70	...	...	...	+0·794	+36·152	-5	M m	...
...	5·483	-43·658	-5	M m	...	*	2·253	-8·588	1·00	47·8426	9·8	*	0·842	+9·609	1·60	46·8843	9·0	
...	5·470	+43·845	0·75	...	...	...	2·242	+45·801	0·90	...	...	...	0·849	-45·508	-2	...	...
...	5·422	-53·471	-3	...	...	...	2·179	+55·340	-3	...	...	*	0·896	-33·193	1·25	47·8427	9·4
...	5·330	+53·744	-3	...	...	...	2·079	+28·555	-4	...	...	...	1·042	+50·234	-5	M m	...
941	-5·278	-20·515	-5	M m	...	1001	-1·989	-53·885	0·90	...	...	...	+1·065	+36·662	-4	...	...
...	5·274	+26·463	0·75	...	...	...	1·982	+46·069	-5	M m	...	...	1·093	-36·094	-5	m	...
...	5·260	+8·428	-5	M m	...	...	1·979	-42·161	-3	...	...	...	1·164	+30·490	-5	m	...
*	5·210	-21·878	1·35	47·8423	9·3	...	1·924	-14·389	-4	...	...	*	1·203	-30·703	1·10	47·8429	9·8
...	5·182	+7·889	-5	M	...	...	1·897	+28·276	-5	M m	...	*	1·286	-44·316	1·20	47·8428	9·5
...	-5·140	+2·937	-4	...	...	...	1·752	+40·106	-5	M m	...	*	+1·295	+1·313	1·40	46·8844	9·4
†	5·045	+46·771	-5	M m	...	...	1·711	-49·684	-5	M m	...	*	1·387	+56·128	1·00	46·8845	9·8
†	5·007	-32·455	0·95	...	...	...	1·604	+46·459	-5	M m	...	...	1·482	+0·678	-5	M m	...
...	4·969	+14·199	-5	m	...	...	1·516	-32·553	-5	M	...	...	1·489	-5·311	-4	m	...
...	4·889	-30·883	-2	...	...	*	1·506	+18·121	1·25	46·8832	9·3	...	1·493	-46·965	-5	M	...
951	-4·804	+36·938	-5	M	...	1011	-1·407	-50·022	-1	...	...	...	+1·517	-54·249	-5	M m	...
...	4·749	+33·223	-4	M	...	...	1·366	-24·863	-4	...	...	...	1·548	+36·458	-4	...	...
...	4·740	+56·198	-5	m	...	*	1·257	+43·150	1·00	...	...	...	1·606	+5·757	-3	...	...
...	4·671	-26·352	-4	M	...	...	1·224	-40·944	-2	...	...	...	1·686	-20·845	-5	m	...
...	4·572	-47·438	-5	...	...	...	1·209	+46·822	0·70	...	...	...	1·744	+50·913	-4	...	...
*	-4·418	+29·516	1·00	46·8828	9·8	...	-1·133	-25·402	-2	...	...	...	+1·892	+45·420	-5	M m	...
...	4·369	+49·875	-5	M m	...	*	1·121	+42·218	3·00	46·8833	8·4	...	1·913	-51·222	-2	...	...
...	4·251	-3·926	-5	M	...	...	1·046	-42·209	-2	...	...	...	1·922	+44·421	-3	...	...
...	4·028	-50·467	-5	M	...	...	1·037	+39·948	-4	...	...	...	2·005	+36·854	-5	M m	...
...	3·918	+46·342	-5	M m	...	S*	0·938	+45·199	3·50	46·8835	7·9	...	2·042	-51·912	-4	...	...

909. Remeasure 1915, $\alpha = 7^{\circ} 137$.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1081-1140																	
1081	+ 2·043	- 6·293	- 4	o	...	1141	* + 5·640	- 24·359	o·95	47·8434	9·6	1201	+ 8·439	- 59·356	- 3	o	...
...	2·300	+ 44·186	- 5	M m	...	...	5·650	- 13·706	- 5	M m	...	...	8·491	+ 49·917	- 3	...	...
*	2·444	- 48·746	o·95	...	...	...	5·738	+ 17·723	- 3	...	...	*	8·502	- 30·898	2·70	47·8439	8·4
...	2·494	- 22·162	- 5	m	...	...	5·776	- 38·311	- 5	M m	...	*	8·556	- 7·189	1·00	47·8440	9·6
...	2·495	+ 0·993	- 5	M m	...	...	5·802	- 17·093	- 4	...	...	...	8·615	+ 47·249	- 3	...	...
+	2·497	- 57·300	- 4	...	...	...	5·835	- 43·218	- 5	m	...	+	8·636	+ 25·463	- 5	m	...
...	2·639	+ 29·450	- 4	...	...	...	5·876	- 55·832	- 3	A m	...	...	8·677	- 23·609	- 3	...	...
...	2·709	- 48·441	- 5	M m	...	...	5·879	+ 18·453	- 1	...	...	...	8·694	- 28·065	- 3	M	...
...	2·769	- 53·173	- 3	...	...	...	5·889	+ 37·255	- 5	M m	...	...	8·723	- 13·030	- 5	m	...
...	2·918	- 51·845	- 4	m	...	...	5·901	- 59·056	- 4	m	...	...	8·778	+ 56·526	- 5	m	...
1091	+ 2·987	+ 50·381	- 5	M m	...	1151	* + 5·927	- 42·875	1·50	47·8435	9·0	1211	+ 8·924	+ 53·825	o·75	...	...
...	3·088	- 43·746	- 5	M m	...	...	5·943	+ 57·180	o·75	...	...	...	8·941	- 47·315	- 5	M m	...
...	3·107	+ 37·570	- 5	M m	...	...	5·987	+ 46·220	- 5	M m	...	...	9·018	- 50·266	- 4	M m	...
...	3·109	+ 48·124	o·80	...	...	...	6·003	- 56·571	- 4	M	...	...	9·029	+ 21·489	o·65	...	...
*	3·274	- 52·602	1·35	47·8430	9·2	...	6·115	- 58·286	- 4	...	...	...	9·081	+ 24·543	o·65	...	...
+	3·282	- 36·450	- 3	...	...	...	6·161	- 26·264	- 1	...	...	+	9·177	+ 4·815	- 4	m	...
*	3·288	+ 3·704	1·00	...	...	...	6·173	+ 29·938	- 3	...	...	*	9·184	+ 32·441	1·00	46·8849	9·6
...	3·379	+ 57·043	- 5	M m	...	...	6·183	+ 48·246	- 5	M m	...	*	9·186	- 33·947	o·95	47·8441	9·8
...	3·426	- 36·356	o·70	...	...	...	6·186	- 13·281	- 5	M m	...	...	9·230	+ 49·424	o·75	...	...
...	3·503	- 30·155	- 4	...	...	...	6·257	+ 24·225	- 4	M	...	...	9·361	- 22·294	o·75	...	...
1101	* + 3·522	+ 18·021	1·60	46·8846	8·8	1161	+ 6·308	- 55·678	- 4	M m	...	...	+ 9·394	+ 23·802	- 4	...	...
...	3·576	+ 9·160	- 5	...	...	...	6·342	+ 43·892	- 5	M m	...	*	9·564	+ 30·513	1·20	46·8850	9·3
...	3·628	+ 56·740	- 3	...	...	...	6·343	+ 59·021	- 5	M m	...	...	9·575	- 57·128	- 5	m	...
...	3·646	- 58·924	- 5	M m	...	...	6·395	- 38·000	- 4	...	...	*	9·661	- 10·724	1·90	47·8442	8·8
...	3·678	+ 39·194	- 5	M m	...	...	6·411	+ 40·851	- 5	M m	...	*	9·687	+ 27·673	3·80	46·8851	7·5
+	3·685	- 43·560	- 5	M m	...	...	6·435	+ 24·581	- 4	M	...	+	9·788	- 19·898	- 5	...	...
...	3·802	+ 47·898	o·70	...	...	...	6·469	+ 36·940	- 4	M	...	+	9·831	- 45·379	- 3	...	...
...	3·809	+ 51·101	- 5	M m	...	...	6·524	+ 30·256	- 2	...	...	+	9·845	- 27·677	o·95	47·8443	9·8
...	3·899	+ 42·526	- 5	M m	...	...	6·530	+ 23·160	- 1	...	...	...	9·899	+ 55·255	- 2	...	...
*	3·921	- 48·721	1·00	47·8431	9·8	...	6·539	- 2·362	- 3	...	...	...	9·998	- 41·817	- 5	m	...
1111	+ 3·946	+ 36·956	- 5	M m	...	1171	+ 6·594	+ 24·471	- 5	M m	...	...	+ 10·076	+ 45·663	- 1	...	...
...	3·974	+ 49·209	- 4	...	...	...	6·600	- 32·717	1·00	47·8436	9·3	...	10·152	+ 2·345	o·95	...	...
...	3·994	- 26·412	- 5	...	...	...	6·603	- 3·911	- 1	...	...	*	10·198	+ 22·951	1·30	46·8852	9·6
...	4·219	- 53·279	- 3	...	...	...	6·646	+ 45·842	- 2	...	...	...	10·240	- 32·595	o·70	...	...
*	4·232	- 23·547	1·60	47·8432	8·9	...	6·740	- 48·749	- 4	M m	...	...	10·242	- 55·214	- 5	m	...
+	4·309	- 51·883	- 5	M m	...	...	6·870	+ 23·414	o·95	46·8848	9·8	*	+ 10·331	- 18·009	1·80	47·8444	8·8
*	4·358	+ 40·691	- 5	M m	...	...	6·921	- 0·137	- 5	M m	...	...	10·375	+ 14·412	- 5	m	...
*	4·362	- 16·626	1·00	...	...	...	6·979	- 37·520	- 5	M m	...	...	10·509	+ 43·816	- 5	m	...
...	4·394	+ 33·304	- 4	...	...	...	7·033	- 45·116	- 5	M m	...	...	10·559	+ 57·037	- 5	m	...
...	4·405	- 51·638	- 3	...	...	...	7·054	+ 27·854	- 3	...	...	...	10·599	+ 45·801	- 1	...	...
1121	+ 4·413	- 29·011	- 3	...	...	1181	* + 7·088	+ 59·533	o·95	45·8799	9·8	1241	+ 10·800	- 47·246	- 4	m	...
...	4·434	+ 48·806	- 3	...	...	...	7·100	- 36·677	o·65	...	...	...	10·814	+ 58·492	- 5	m	...
...	4·529	- 49·101	o·70	...	...	...	7·240	- 54·480	- 5	M m	...	*	10·836	- 52·262	1·20	47·8445	9·2
...	4·530	+ 3·466	- 4	...	...	...	7·270	- 9·486	- 5	m	...	...	10·870	+ 18·245	- 4	...	...
...	4·661	+ 32·943	- 4	...	...	...	7·280	+ 43·235	- 1	...	...	...	11·068	- 59·546	- 3	...	...
+	4·663	+ 30·772	- 5	M m	...	...	7·366	- 26·734	- 5	m	...	*	+ 11·174	+ 43·713	1·15	46·8853	9·6
...	4·778	- 30·468	- 3	...	...	...	7·378	+ 21·178	- 4	M	...	...	11·174	- 20·103	o·65	...	...
...	4·796	+ 33·408	- 5	M m	...	...	7·493	- 34·896	- 4	m	...	...	11·280	+ 17·871	- 5	m	...
...	4·809	+ 29·055	- 2	...	...	...	7·534	+ 6·161	- 5	M m	...	...	11·344	- 24·430	- 2	...	...
...	4·955	- 51·422	- 1	...	...	...	7·562	- 45·813	- 4	M m	...	*	11·354	- 7·504	3·00	47·8446	8·2
1131	+ 4·958	- 40·873	- 4	...	...	1191	+ 7·654	+ 31·479	- 3	...	...	...	+ 11·398	- 51·180	- 3	...	...
†	4·960	+ 57·059	- 5	M m	...	...	7·799	- 42·181	- 3	...	...	...	11·520	- 24·384	- 3	...	...
...	5·100	- 15·099	- 1	...	...	...	7·831	+ 39·013	- 4	m	...	*	11·563	+ 46·875	1·20	46·8854	9·6
...	5·121	+ 21·023	- 5	M m	...	...	7·968	- 37·188	o·65	...	...	...	11·627	- 54·015	- 3	...	...
...	5·156	- 31·153	- 1	...	...	...	7·983	- 40·669	- 5	M m	...	...	11·677	+ 21·596	- 4	...	...
*	+ 5·209	- 43·308	o·90	47·8433	9·8	...	8·081	+ 18·180	- 4	M m	...	...	+ 11·738	+ 38·451	- 5	m	...
...	5·346	+ 12·391	- 5	M m	...	...	8·126	+ 31·497	- 2	...	...	...	11·745	+ 25·899	- 5	m	...
*	5·352	+ 47·070	1·00	46·8847	9·5	...	8·279	+ 26·998	- 4	m	...	...	11·761	- 51·476	- 5	m	...
...	5·611	- 20·954	- 3	...	...	*	8·353	- 13·892	1·40	47·8438	9·3	*	11·801	+ 24·602	2·30	46·8855	8·4
...	5·633	+ 16·678	- 4	M	...	...	8·386	+ 56·653	- 5	m	...	...	11·806	+ 59·710	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.	Mag.		
1261-1320																			
1261	+11° 813	-57° 179	-5	o	m	...	1321	+15° 182	-33° 981	0° 85	47.8450	9° 8	1381	+18° 454	-32° 066	-3	o	...	...
...	11° 911	+01° 015	0° 90	...	...	...	...	15° 283	-11° 897	-2	...	...	...	18° 457	+26° 400	-5	m	...	...
...	11° 963	+14° 438	-1	...	...	...	...	15° 328	-2° 684	-5	m	...	...	* 18° 460	-5° 651	2° 00	47.8454	8° 8	...
...	12° 075	+58° 318	-5	m	...	...	...	15° 343	+57° 798	-5	m	...	...	18° 598	-45° 654	-5	m	...	...
...	12° 135	-31° 168	0° 85	...	...	*	...	15° 356	-49° 601	1° 40	47.8451	9° 2	...	18° 621	-1° 303	-2	...	...	...
...	+12° 152	+16° 198	-5	...	...	...	...	+15° 368	+15° 035	-4	...	...	...	+18° 696	-20° 130	-2	...	...	...
...	12° 155	+24° 367	-3	...	...	...	...	15° 524	-24° 827	0° 85	...	...	...	18° 736	-55° 575	-1	...	...	...
...	12° 201	-15° 811	0° 80	...	...	†	...	15° 552	-54° 961	-5	m	...	...	18° 740	-23° 244	-3	...	...	...
...	12° 211	+7° 348	-5	m	...	...	...	15° 563	+45° 074	-3	a	...	...	18° 743	-51° 835	-5	m	...	...
...	12° 222	-57° 476	0° 75	...	...	...	...	15° 578	-16° 987	-5	m	...	*	18° 767	-59° 699	1° 20	47.8455	9° 5	...
1321-1380																			
1271	+12° 333	-53° 569	-3	...	...	...	1331	+15° 825	+57° 570	-1	...	...	...	+18° 819	+18° 781	-5	m	...	...
...	12° 340	+47° 378	-4	...	...	...	...	15° 832	-22° 328	-4	...	...	...	18° 820	-52° 439	-4	m	...	...
...	12° 356	+11° 248	0° 90	46.8856	9° 8	...	...	15° 926	+47° 232	-4	m	...	...	18° 864	-24° 393	-5	...	...	...
...	12° 359	+30° 687	-5	m	...	...	...	15° 963	+2° 027	-4	...	...	...	18° 961	+48° 894	-5	m	...	...
...	12° 465	-39° 484	-4	m	...	...	...	15° 985	+27° 224	-5	m	...	...	19° 032	-7° 224	-4	...	...	...
*	+12° 468	-35° 246	1° 20	47.8447	9° 4	*	...	+15° 987	+5° 708	1° 20	46.8859	9° 3	...	+19° 053	+16° 976	-3	...	...	...
...	12° 482	+18° 522	-5	...	...	...	...	16° 139	+13° 608	-2	...	...	...	19° 135	+5° 763	-5	m	...	...
...	12° 484	-58° 816	0° 90	...	...	...	...	16° 177	+23° 026	-5	...	...	...	19° 192	+34° 379	-5	m	...	...
*	12° 510	-52° 223	1° 10	...	...	...	...	16° 213	-38° 707	-5	m	...	...	19° 261	-31° 895	-5	m	...	...
...	12° 522	+26° 994	-4	...	...	...	...	16° 228	+29° 477	-4	...	...	...	19° 269	-57° 197	-4	...	...	...
1381-1440																			
1281	+12° 527	-32° 565	0° 75	...	...	...	1341	+16° 265	+50° 504	-5	m	...	...	+19° 304	+4° 170	-5	m	...	...
*	12° 593	+11° 587	1° 15	...	...	...	...	16° 292	+22° 035	-5	m	...	*	19° 371	+36° 272	1° 00	46.8864	9° 8	...
...	12° 749	+29° 167	-5	...	...	...	...	16° 304	+32° 510	-3	...	...	...	19° 392	-32° 157	0° 65	...	...	...
...	12° 806	-29° 123	-3	...	...	...	...	16° 354	-12° 272	-5	m	...	*	19° 596	-0° 371	1° 20	46.8865	9° 3	...
*	12° 820	+46° 461	1° 30	46.8857	9° 3	...	...	16° 360	+15° 869	-2	...	...	...	19° 725	+41° 161	-3	b	...	...
...	+12° 871	-3° 297	-5	...	...	...	...	+16° 382	-33° 971	-1	...	...	...	+19° 742	-40° 086	-2	...	...	...
...	12° 937	+29° 974	0° 80	...	...	...	...	16° 465	-30° 699	-4	...	...	...	19° 759	+26° 509	0° 75	...	...	...
...	13° 025	-19° 185	-5	m	...	*	...	16° 495	+3° 967	1° 80	46.8860	8° 8	...	19° 820	+20° 106	-3	...	...	...
†	13° 054	+39° 761	-5	m	...	...	...	16° 502	-50° 975	-5	m	...	...	19° 892	+54° 502	-5	m	...	...
*	13° 096	+26° 509	1° 80	46.8858	8° 7	...	...	16° 616	+18° 387	-5	m	...	...	20° 035	-29° 181	-5	m	...	...
1351-1411																			
1291	+13° 149	+16° 906	-4	...	...	...	1351	+16° 863	-11° 839	-1	...	...	...	+20° 119	+42° 252	0° 80	...	...	...
...	13° 167	+55° 755	-1	...	...	...	...	16° 880	-6° 587	-4	...	...	...	20° 213	+10° 996	-5	m	...	...
...	13° 303	-2° 726	-5	...	...	*	...	16° 974	+28° 479	0° 85	46.8861	9° 8	...	20° 282	+41° 974	-5	m	...	...
...	13° 358	-28° 877	-4	...	...	...	...	17° 032	+21° 722	-3	...	...	*	20° 282	-23° 687	2° 20	47.8456	8° 9	...
...	13° 371	+1° 530	-1	...	...	...	...	17° 034	+7° 324	0° 85	...	...	...	20° 337	-16° 165	-5	...	...	...
...	+13° 634	+6° 368	-3	...	...	*	...	+17° 172	+21° 047	1° 00	46.8862	9° 4	...	+20° 338	-34° 536	-5	m	...	...
+	13° 653	-34° 951	2° 40	47.8448	8° 2	...	...	17° 312	+47° 488	-5	m	...	...	20° 382	+29° 246	-3	...	...	...
...	13° 679	+19° 013	-3	...	...	*	...	17° 405	-10° 173	0° 95	47.8452	9° 8	...	20° 449	+31° 328	-5	m	...	...
...	13° 781	+55° 012	-4	...	...	...	...	17° 523	+7° 869	-3	...	...	...	20° 490	-53° 279	-3	...	...	...
...	13° 786	-52° 966	-5	m	...	*	...	17° 574	-57° 524	1° 00	47.8453	9° 8	...	20° 495	+7° 096	-5	m	...	...
1361-1421																			
1301	+13° 891	-3° 876	-1	...	...	...	1361	+17° 628	+4° 070	-5	m	...	...	+20° 499	-51° 109	-5	m	...	...
...	13° 932	+17° 351	-3	...	...	...	...	17° 676	-7° 255	-5	m	...	...	20° 510	-23° 884	-5	m	...	...
*	13° 951	-54° 716	0° 90	...	...	...	...	17° 686	-50° 228	-4	m	...	*	20° 529	-37° 015	1° 25	47.8457	9° 2	...
...	13° 996	-51° 274	-3	...	...	...	...	17° 693	+7° 295	-4	...	...	...	20° 543	+26° 105	-5	m	...	...
...	14° 037	+40° 501	-3	...	...	...	...	17° 728	+17° 860	-5	m	...	...	20° 571	+31° 935	-5	m	...	...
...	+14° 063	-29° 897	-4	...	...	...	...	+17° 759	+58° 505	-4	m	...	...	+20° 659	+0° 496	-1	...	...	...
...	14° 283	+52° 416	0° 95	...	...	...	...	17° 781	+57° 885	-4	m	...	...	20° 708	+28° 488	-5	m	...	...
...	14° 321	-40° 634	-5	m	...	...	...	17° 801	-53° 621	-3	...	...	...	20° 770	-17° 040	0° 85	...	...	...
...	14° 350	-7° 220	-3	...	...	*	...	17° 881	+35° 964	0° 85	...	...	...	20° 846	+40° 792	-5	m	...	...
...	14° 350	-15° 425	-5	...	...	...	...	17° 983	-47° 608	-4	m	...	*	20° 868	-40° 184	1° 00	47.8458	9° 6	...
1371-1431																			
1311	+14° 400	+26° 952	-4	...	...	...	1371	+18° 068	+29° 462	0° 75	...	...	...	+21° 031	-12° 646	-2	...	...	...
...	14° 557	-55° 508	-5	m	...	...	...	18° 077	-47° 808	-4	...	...	S*	21° 192	+13° 183	3° 40	46.8866	8° 1	...
*	14° 595	-32° 118	1° 10	47.8449	9° 3	*	...	18° 098	+10° 279	1° 20	46.8863	9° 6	...	21° 330	-12° 274	-4	...	...	...
...	14° 597	-32° 200	-5	...	...	...	...	18° 149	+2° 442	-5	m	...	...	21° 478	-30° 977	-5	m	...	...
...	14° 607	-20° 713	-4	...	...	...	...	18° 210	+8° 001	-4	...	...	...	21° 500	-32° 364	-5	m	...	...
...	+14° 612	-1° 577	-5	...	...	...	...	+18° 229	-9° 679	-5	m	...	*	+21° 526	-44° 656	-5	m	...	...
...</td																			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-2.	No.	Mag.	x.	y.		-2.	No.	Mag.	x.	y.	-2.	No.	Mag.		
1441-1500																			
1441	+21·816	-35·590	-5	°	m	...	1501	+26·473	-59·161	-5	°	m	...	1561	+30·314	+43·620	-5	°	m
...	21·964	-41·417	-5	m	...	*	26·683	-20·288	1·00	47·8467	9·8	...	30·430	+53·353	-5	m	...		
...	22·138	-20·185	-5	m	...	...	26·764	-36·911	-2	...	...	30·493	-27·346	-3	...	...	
*	22·139	-59·069	1·20	47·8459	9·6	*	26·780	+42·364	1·30	46·8870	9·3	...	30·512	-42·687	-4	a	...		
...	22·149	-57·239	0·90	...	...	...	26·812	+52·501	-5	m	...	30·608	+40·809	0·65	...	...	
...	+22·300	+39·529	-5	m	+26·984	+3·397	-5	m	...	+	30·610	+1·452	-4		
*	22·405	-43·827	1·00	47·8460	9·8	...	27·022	+54·519	-5	m	...	30·622	-13·050	1·20	47·8468	9·3			
S *	22·553	+4·515	0·70	...	...	...	27·023	+11·207	-2	...	...	30·649	+1·812	-4	...	...	
*	22·650	-40·197	3·80	47·8461	7·5	*	27·053	+22·009	0·95	46·8871	9·8	...	30·922	-43·176	-2		
*	22·840	-4·503	1·40	47·8462	9·2	...	27·195	-40·341	-5	...	...	31·001	+27·233	-4	...	...	
1451	+22·922	+3·114	-5	m	1511	+27·268	+1·003	1·00	1571	+31·144	+18·163	-4	
...	23·180	-51·810	-5	m	...	...	27·383	-23·363	-5	m	...	31·187	-46·978	-5	m	...	
...	23·270	-23·223	-4	...	...	...	27·455	-57·600	-5	m	...	31·236	+40·672	-5	m	...
...	23·274	+17·618	-5	...	...	...	27·621	+56·255	-1	...	...	31·322	+58·073	-5	m	...
...	23·434	-17·418	-5	m	...	...	27·652	+32·269	-5	m	...	31·333	-2·271	-5	m	...	
...	+23·448	-48·498	-4	...	...	...	+27·652	+13·695	-4	...	...	+31·348	+52·129	-5	m	...
...	23·456	-29·844	-4	...	...	...	27·671	+57·795	-5	...	...	31·444	-29·009	-5	m	...
...	23·517	-7·214	-5	...	...	...	27·698	-14·234	-4	...	...	31·560	+37·910	-2	...	...	
...	23·543	-53·612	-5	m	...	...	27·817	+38·240	-3	a	...	* 31·651	+50·395	1·40	46·8873	9·4	
*	23·559	+17·146	1·20	46·8868	9·4	...	27·880	-50·848	-5	m	...	* 31·673	-16·892	2·00	47·8469	8·7			
1461	+23·597	-9·394	-4	1521	+27·891	+48·328	0·95	1581	+31·675	-39·501	-4	
...	23·745	+34·922	-5	m	...	...	27·903	-44·600	-3	...	...	31·754	-29·238	-5	m	...
...	23·940	-33·354	-5	m	...	...	27·956	+0·258	-5	m	...	31·796	+34·755	-4	m	...	
...	23·951	+12·252	-5	m	...	...	27·978	+50·062	0·95	...	...	31·797	-22·171	-4	...	...	
...	23·956	-3·529	-5	m	...	...	28·024	+21·236	-5	m	...	31·820	-59·763	-1	...	...	
...	+23·971	-43·724	-4	...	...	...	+28·208	+32·205	-5	m	...	+31·826	+41·613	-5	m	...
...	23·983	+6·896	-5	m	...	...	28·242	-17·936	-5	...	...	31·883	-24·798	-3	...	...	
...	24·186	+16·800	-5	m	...	...	28·300	-33·770	-4	...	...	32·076	+48·540	-5	m	...
...	24·294	-46·396	-4	m	...	...	28·402	-32·553	-2	...	...	32·093	-0·234	0·65	z	...
...	24·365	-14·167	-3	...	...	...	28·487	-52·670	1·00	...	...	32·128	+37·933	-5	m	...
1471	+24·497	+38·570	-3	1531	+28·510	+9·370	-5	1591	+32·166	+22·331	-1	
...	24·703	-11·290	-4	...	...	...	28·599	-27·564	-5	m	...	32·221	-53·209	-5	m	...
*	24·750	-2·535	1·00	47·8463	9·8	...	28·633	+54·361	-5	m	...	32·224	+30·987	-5	m	...			
...	24·936	-53·965	-5	m	...	...	28·644	+22·515	-5	m	...	32·257	-41·115	-3	...	...	
*	24·998	-37·129	1·40	47·8464	9·2	...	28·756	+2·876	-5	...	...	32·320	+39·699	0·85	...	...	
...	+25·004	-26·839	0·70	...	...	...	+28·970	-41·256	-5	m	...	+32·360	-12·684	1·40	47·8470	9·2
...	25·025	+1·012	-5	...	...	...	28·995	-7·926	-5	m	...	32·392	+5·376	-5	...	...	
*	25·057	-46·768	1·00	47·8465	9·4	...	29·046	+15·152	-5	m	...	32·417	-10·366	-5	m	...			
...	25·105	-51·159	-1	...	...	...	29·046	-53·554	-4	a	...	32·443	+54·639	1·35	46·8874	9·6
...	25·115	-43·117	1·00	...	...	...	29·132	-46·076	-5	m	...	32·467	-7·053	-4	...	...	
1481	+25·201	-46·370	-5	m	1541	+29·174	+4·152	-5	m	...	1601	+32·537	-39·829	0·90	
...	25·230	-25·842	-3	...	*	...	29·198	+38·832	1·60	46·8872	9·2	...	32·579	-45·672	-5	m	...		
...	25·239	+10·951	-5	m	...	...	29·225	-36·528	-2	...	...	32·618	+28·563	1·00	46·8875	9·8
...	25·479	+56·483	-4	...	...	...	29·249	+24·054	-5	m	...	32·700	-45·999	1·20	47·8471	9·5
...	25·615	-44·112	-2	...	...	...	29·267	+40·470	-5	m	...	32·778	+1·133	-3	...	...	
...	+25·647	+40·801	-4	...	...	...	+29·315	+55·111	-4	...	...	+32·785	+31·075	-5	m	...
...	25·654	+50·370	-4	...	...	...	29·417	+33·216	-5	m	...	32·846	-9·965	-3	...	...	
...	25·810	+46·153	-3	...	...	...	29·472	+45·517	-2	...	...	32·893	-27·310	-5	m	...
...	25·840	+29·393	-2	...	...	...	29·509	-19·271	-3	...	...	32·912	+57·108	1·40	46·8876	9·6
...	25·858	+3·273	-5	...	...	...	29·585	+38·424	-4	m	...	33·017	-2·439	-5	...	...	
1491	+25·921	+47·830	-5	m	1551	+29·631	-7·003	-5	1611	-16·114	-5		
...	26·004	-46·081	-5	m	...	...	29·648	-30·829	0·90	...	...	* 33·031	+7·324	3·70	46·8877	7·8
...	26·018	+50·245	-4	...	...	...	29·695	+58·476	-5	m	...	33·089	-11·908	0·70	...	...	
...	26·041	-27·186	-5	m	...	...	29·865	+48·490	0·90	...	...	33·157	+8·016	-4	...	...	
†	26·119	+14·912	-4	...	...	...	29·950	-18·684	-5	m	...	33·269	-38·720	1·00	47·8472	9·8
...	+26·122	+19·619	-5	m	...	...	+30·023	+10·421	-4	...	...	+33·320	+35·472	-5	m	...
...	26·263	-48·251	-2	...	...	...	30·050	-57·369	-5	m	...	33·370	-40·780	-5	m	...
...	26·278	-49·430	-5	m	...	...	30·115	-26·932	1·00	...	...	33·434	49·651	1·00	...	...	
*	26·297	-8·189	2·00	47·8466	8·7	...	30·237	+55·802	-5	m	...	33·468	-25·919	0·75	...	...	
*	26·452	+43·675	1·30	46·8869	9·2	...	30·312	-28·707	-5	m	...	33·487	+41·823	-5	m	...			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.			
1621-1680																				
1621	+33°51'7	-57°54'0	-5	o	m	...	1681	+36°89'7	-14°59'4	-5	o	m	...	1741	+40°61'1	+34°30'0	-4	o	m	
...	33°57'9	+34°59'5	0°90	...	...	...	...	37°13'4	-43°30'8	-5	...	...	...	...	40°61'1	-1°23'3	-5	m	...
...	33°60'0	+18°19'4	0°90	...	...	...	...	37°15'5	+27°80'9	-5	m	...	...	...	40°61'9	-33°06'9	-2	...	...
...	33°61'7	-16°11'5	-3	...	...	...	...	37°17'5	-4°61'9	-3	...	...	...	...	40°87'6	+27°39'0	-3	...	...
...	33°61'9	+30°75'2	-4	m	...	*	...	37°20'9	+35°13'4	1°00	46.8881	9°8	...	...	40°94'1	-40°69'2	-3	...	...
...	+33°63'7	-39°57'7	-5	m	...	...	...	+37°28'5	-3°82'0	-5	m	...	...	...	+40°94'3	-11°73'7	-5	m	...
...	33°69'1	+31°81'1	-3	...	...	...	...	37°40'5	-5°87'9	-5	...	...	...	...	40°94'9	-4°40'6	1°05	47.8479	9°8
...	33°86'5	-49°67'5	0°75	...	...	S*	...	37°41'4	+55°39'4	2°00	46.8882	8°8	...	...	41°02'4	-45°92'9	-5	m	...
...	33°88'4	+1°81'3	-5	m	...	...	...	37°42'2	+58°58'0	-5	m	...	...	...	41°04'4	+47°07'6	-5	m	...
...	33°93'2	+20°00'2	0°70	37°43'8	-23°65'5	-5	S*	41°09'2	-58°60'6	1°60	47.8480	8°5
1631	+33°95'4	-3°61'9	-5	m	...	...	1691	+37°44'8	-24°67'5	-5	m	...	...	...	+41°09'8	-42°41'7	-4	...	...
...	34°03'4	+24°93'8	-5	m	...	...	...	37°53'4	+58°36'3	-5	m	...	...	...	41°13'4	-45°07'6	-4	a	...
*	34°03'4	-16°72'4	0°90	...	...	...	...	37°57'6	+12°89'4	0°70	...	...	...	...	41°18'1	-33°94'1	-2	...	...
...	34°23'4	-59°20'9	-4	a	...	...	...	37°58'6	+37°01'4	0°80	...	...	...	...	41°22'2	-19°28'6	-5	m	...
...	34°28'7	-12°74'1	-5	m	...	...	...	37°62'0	-12°93'0	-5	m	...	...	...	41°33'1	-23°58'5	-5	m	...
†	+34°29'1	-25°08'8	-4	...	...	...	...	+37°72'3	-51°39'8	-2	...	...	...	...	+41°33'8	+24°58'6	-4	m	...
...	34°29'5	-38°59'7	-5	m	...	*	...	37°96'6	-7°09'1	2°00	47.8478	8°9	...	...	41°35'6	+36°86'9	-4	m	...
...	34°33'9	-54°02'7	-5	m	...	...	...	37°98'0	+3°33'2	-4	...	...	...	...	41°45'1	-44°35'9	0°70	...	...
*	34°36'6	-19°83'3	1°20	47.8473	9°3	*	...	37°98'6	+23°51'8	1°15	46.8884	9°3	...	...	41°46'3	+9°60'3	0°70	...	...
...	34°58'1	-10°48'9	0°85	...	...	*	...	38°00'1	+41°86'3	1°10	46.8883	9°8	...	...	41°56'2	+4°24'9	-5	m	...
1641	+34°73'4	-5°05'5	0°95	47.8474	9°8	...	1701	+38°11'1	-31°53'4	0°80	...	...	...	...	+41°56'6	+6°26'1	-3	...	...
...	35°03'7	+28°32'8	-5	m	...	...	...	38°20'0	+53°80'4	-5	m	...	...	...	41°68'3	+21°14'3	-5	m	...
*	35°05'1	-15°89'2	1°05	47.8475	9°5	...	...	38°22'1	-3°54'6	-2	...	...	...	...	41°70'1	-48°74'5	-4	a	...
...	35°08'1	+28°60'8	-2	...	...	...	...	38°24'2	+11°61'4	-4	...	...	...	...	41°73'3	-49°84'6	-5	m	...
...	35°10'1	-12°37'8	-5	m	...	...	...	38°29'9	+16°33'6	-3	...	...	*	...	41°75'4	-35°31'9	1°50	47.8481	9°0
...	+35°17'9	-57°85'1	-5	m	...	...	...	+38°32'3	-43°80'4	-5	m	...	...	...	+41°78'1	+35°91'4	-4	...	...
...	35°24'3	+28°49'8	-4	...	...	...	...	38°35'3	-29°61'2	-3	...	...	...	...	41°82'3	+54°78'8	-5	m	...
...	35°31'2	-48°70'7	-4	...	...	...	...	38°42'9	+11°39'5	-5	m	...	...	...	41°86'7	-58°08'3	1°00	47.8482	9°8
...	35°33'5	+57°59'9	-1	...	...	...	...	38°47'8	+3°12'2	-5	...	...	...	...	41°87'4	-12°96'6	-5	m	...
...	35°46'1	-4°93'2	0°90	...	...	...	...	38°59'2	+23°23'8	-3	...	...	...	...	41°92'2	-14°37'7	1°00	...	...
1651	* +35°58'5	-10°64'1	1°35	47.8476	9°0	...	1711	+38°60'4	-29°81'2	-2	...	...	...	...	+41°93'1	+1°90'6	0°85	...	...
...	35°63'3	-37°22'1	0°75	...	...	...	...	38°65'7	+38°87'6	-4	m	...	...	...	41°99'9	-37°58'7	-5	m	...
...	35°69'6	-4°47'2	-5	...	...	†	...	38°72'4	-15°07'5	0°85	...	...	...	...	42°17'1	+24°52'7	-4	m	...
*	35°77'6	-37°43'8	1°10	47.8477	9°4	...	...	38°80'5	+43°86'9	-5	m	...	...	...	42°21'1	-10°79'5	-5	m	...
...	35°87'9	-4°11'0	-5	m	...	...	...	38°82'9	-59°59'0	1°00	...	...	...	...	42°24'1	-41°87'6	-2	...	...
...	+35°88'0	-56°57'0	-1	...	...	...	...	+38°90'1	-15°70'4	-5	m	...	...	...	+42°52'9	-11°74'7	-5	m	...
...	35°89'3	+51°34'8	-5	m	...	...	...	39°06'4	-53°04'0	-5	m	...	...	...	42°56'6	+51°63'6	-4	m	...
...	35°90'3	+50°57'0	-4	...	...	...	...	39°11'4	-19°94'5	-5	m	...	...	...	42°62'4	-24°63'1	-4	e	...
...	35°94'9	+37°67'3	-4	...	...	...	...	39°22'6	+11°98'1	0°75	...	...	...	...	42°62'7	-0°37'9	0°70	e	...
...	35°99'7	+32°43'7	-5	m	...	...	...	39°22'8	+30°84'7	-2	...	...	...	...	42°72'8	-30°32'9	-4	e	...
1661	+36°10'0	+20°81'3	0°70	...	...	...	1721	+39°36'0	+52°40'7	-5	m	...	...	...	+42°74'3	+29°63'6	-1	...	...
...	36°10'0	-18°91'7	-2	...	...	...	...	39°38'2	+17°00'1	-5	m	...	*	...	42°76'5	+12°57'6	1°20	46.8886	9°8
...	36°13'2	+26°85'3	0°85	...	...	...	...	39°57'0	-18°71'0	-5	m	...	*	...	42°80'6	-58°27'2	1°60	47.8483	8°8
...	36°13'4	+2°16'2	-5	m	...	...	...	39°63'8	-9°43'7	0°70	...	...	...	...	42°81'0	-57°11'8	-5	m	...
...	36°14'5	+43°08'8	-4	m	...	...	...	39°67'6	-43°43'4	-5	m	...	...	...	42°86'4	-4°02'9	-3	...	...
...	+36°21'5	+27°25'3	0°85	...	...	†	...	+39°71'7	-46°11'2	-5	...	...	...	...	+42°99'5	-54°53'6	-5	m	...
...	36°33'2	+15°62'0	0°70	...	...	...	...	39°73'0	-4°29'4	-4	...	...	*	...	43°03'6	+58°71'9	1°20	46.8885	9°8
*	36°39'7	+7°11'5	1°00	46.8880	9°8	...	...	39°74'1	+3°17'4	-2	...	...	...	...	43°08'6	+4°76'5	-4	...	...
...	36°40'7	-47°83'9	-3	...	...	...	...	39°87'8	-44°34'9	-4	...	...	...	...	43°16'0	+16°39'2	-2	...	...
...	36°43'4	-23°01'4	-5	m	...	...	...	39°92'5	+31°75'0	-5	...	...	...	...	43°18'0	+39°04'7	-4	m	...
1671	* +36°44'6	+12°82'4	1°30	46.8878	9°3	†	1731	+40°09'5	+49°79'2	-5	m	...	...	...	+43°25'1	-21°57'9	-3	...	...
...	36°54'2	+24°96'2	-2	...	...	...	...	40°16'1	+24°08'4	-4	m	...	...	...	43°30'0	-13°19'6	-3	...	...
...	36°55'2	-34°85'8	0°70	...	...	...	...	40°18'3	+48°35'2	-5	m	...	...	...	43°32'2	+22°78'7	-3	...	...
...	36°59'1	+0°76'5	-2	...	...	...	...	40°33'2	+55°11'0	-5	m	...	...	...	43°33'9	+20°54'5	0°95	...	...
...	36°59'3	+23°15'1	0°70	...	...	...	...	40°35'5	+6°55'0	-3	...	...	...	...	43°52'2	+22°52'2	-5	m	...
...	+36°61'1	+8°60'0	-5	m	...	...	...	+40°36'1	+31°11'0	-3	...	...	...	...	+43°52'7	-53°96'4	-5	...	...
...	36°63'1	-13°07'2	-5	m	...	...	...	40°38'3	+31°58'3	-5	m	...	...	...	43°55'1	+7°46'8	1°00	...	...
...	36°63'3	+26°65'0	-4	m	...	...	...	40°40'8	+6°75'4	-5	m	...	...	...	43°57'8	+27°98'8	0°90	...	...
...	36°77'1	-44°51'5	-5	m	...	...	...	40°60'3	+42°96'9	-4	m	...	...	...	43°63'1	-14°57'9	-4	e	...
*	36°79'2	+47°06'9	1°00	46.8879	9°8	...	...	40°61'0	+44°04'2	-5	m	...	*	...	43°64'0	-21°18'9	1°00	47.8484	9°6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2	No.	Mag.		x.	y.	-2	No.	Mag.		x.	y.	-2	No.	Mag.
1801-1860																	
1801	* +43°800	+46°083	1°25	46.8887	9°5	1861	+46°330	-48°027	-5	° m	...	1921	+49°657	-14°174	-5	° m	...
...	43°888	+48°938	1°05	...	...	...	46°476	+56°710	-2	...	...	...	49°757	-1°620	0°70	...	...
...	43°888	+27°322	-1	...	...	...	46°500	+47°654	-5	m	...	...	49°856	-16°127	-5	m	...
...	43°946	-26°192	-4	a	...	...	46°569	+20°197	-5	...	...	...	49°904	-45°522	-5	m	...
...	44°036	-12°929	-4	a	...	...	46°577	-46°427	-5	m	...	...	49°969	-14°916	-4	...	...
...	+44°060	-48°139	-5	m	...	...	+46°604	-16°729	-5	m	...	...	+49°977	-23°293	-2	...	...
...	44°062	+16°947	0°75	...	...	...	46°615	-34°983	-3	...	...	...	50°031	-54°661	-5	m	...
...	44°119	+5°104	-4	m	...	...	46°692	+55°570	-4	...	...	...	50°040	-48°206	1°00	...	...
...	44°180	+10°934	-5	m	...	...	46°753	-51°794	-5	m	...	...	50°099	-23°505	-5	m	...
...	44°183	-14°453	-5	m	...	...	46°815	-31°176	-3	...	...	...	50°116	-45°377	1°00	47.8493	9°8
1811	+44°308	+9°316	-5	m	...	1871	+46°923	+13°228	-4	...	...	1931	+50°166	-31°089	-3	...	...
...	44°361	+16°552	-3	...	...	...	47°080	-46°679	-4	a	...	...	50°179	+24°669	-5	m	...
...	44°420	+44°672	-4	...	...	...	47°129	+4°736	-5	m	...	...	50°263	-59°585	-5	m	...
...	44°535	+11°291	-5	m	...	...	47°190	+17°191	-4	e	...	...	50°360	+26°884	-5	m	...
...	44°646	+58°218	-5	m	...	...	47°196	+50°535	-5	m	...	...	50°410	-16°890	-5	m	...
...	* +44°674	-17°339	0°95	...	...	...	+47°258	+44°938	-5	m	...	...	+50°494	-0°284	-5	m	...
...	44°704	-29°574	-5	m	...	...	47°280	+4°435	-4	e	...	...	50°497	+6°516	-1	...	...
...	44°730	+46°350	0°90	...	...	...	47°351	-7°670	0°85	...	...	...	50°511	-2°027	-3	...	...
...	44°842	+35°034	0°65	...	...	...	47°367	+9°356	-5	m	...	...	50°577	-27°108	1°20	47.8494	9°6
...	44°845	-9°433	1°15	47.8486	9°5	...	47°380	+28°278	-5	m	...	...	50°614	-2°845	-5	m	...
1821	† +44°849	-2°760	-3	...	...	1881	+47°416	+57°917	-3	...	...	1941	+50°748	+18°540	-3	...	...
...	44°912	-33°395	-5	m	...	...	47°428	+58°653	-4	...	...	...	50°846	-47°509	1°20	47.8495	9°6
...	44°950	+37°443	-1	...	...	...	47°443	+39°617	-2	...	...	...	50°859	-18°194	0°65	...	...
...	45°012	-1°946	-3	...	...	...	47°503	+17°209	-4	m	...	...	50°877	-30°741	-5	m	...
...	45°019	-0°349	-4	e	...	...	47°524	+58°875	1°30	46.8889	9°2	...	51°035	-14°514	-1	...	...
...	* +45°034	-2°231	1°20	47.8485	9°4	...	+47°530	+45°709	-5	m	...	...	+51°085	-33°163	-5	m	...
...	45°042	-8°559	-5	m	...	...	47°545	-22°286	0°85	...	...	...	51°133	-44°368	1°30	47.8496	9°5
...	45°110	+33°925	0°95	...	...	...	47°584	-19°554	0°90	...	...	...	51°188	+31°542	-4	...	...
...	45°119	-56°010	-5	m	...	...	47°596	+21°568	0°95	...	...	...	51°243	+8°378	0°70	...	...
...	45°175	-52°968	-5	m	...	...	47°636	+47°618	1°00	46.8890	9°8	...	51°415	+6°943	-5	m	...
1831	+45°216	-20°529	-5	m	...	1891	+47°671	+49°406	-5	m	...	1951	+51°561	-46°358	-4	...	...
...	45°248	-31°711	0°85	...	...	...	47°823	-48°589	-4	a	...	...	51°564	+30°725	0°70	...	...
...	45°260	-11°603	0°90	...	...	...	47°876	-46°033	-4	...	...	...	51°598	+40°226	1°15	46.8893	9°6
...	45°261	-46°915	-5	m	...	...	47°974	-15°193	-4	e	...	...	51°620	+1°036	1°00	46.8894	9°8
...	45°307	+45°904	-4	...	...	...	48°032	+11°499	-5	e	...	...	51°697	+22°522	-3	...	...
...	+45°379	-20°841	-5	m	...	...	+48°039	+38°484	1°00	...	...	...	+51°719	-8°586	-4	e	...
...	45°418	+4°583	-3	...	...	...	48°082	-18°278	-5	m	...	...	51°767	-8°495	-3	...	...
...	45°448	+13°695	0°85	...	...	...	48°092	+19°018	-5	m	...	...	51°801	-11°129	-3	...	...
...	45°473	+9°497	-5	...	...	...	48°170	-32°882	-5	m	...	...	51°839	-37°900	-4	...	...
...	* 45°538	-10°368	1°00	47.8487	9°8	...	48°454	+20°616	-4	...	...	...	51°914	+3°869	-5	m	...
1841	+45°538	-23°602	-5	...	...	1901	+48°549	-56°289	1°00	...	...	1961	+51°972	-13°349	0°70	...	...
...	45°548	+16°517	0°90	...	...	...	48°557	+8°423	-4	...	...	...	52°155	-29°245	-5	m	...
...	45°573	-9°204	-5	...	...	...	48°560	-35°035	-5	m	...	...	52°201	+32°840	-2	...	...
...	45°607	-53°922	0°95	...	...	...	48°584	-16°173	1°80	47.8490	9°1	...	52°222	-12°690	-5	m	...
...	45°684	+54°387	-5	m	...	...	48°646	+26°394	-5	m	...	...	52°229	-7°332	-5	m	...
...	+45°765	-38°365	-2	...	...	...	+48°671	-7°920	-5	...	...	...	+52°258	+13°187	-4	e	...
...	45°778	-36°022	0°70	...	...	...	48°677	-59°474	-5	...	...	...	52°295	-20°989	-4	...	...
...	45°851	+28°169	-5	m	...	...	48°742	-36°057	0°90	...	...	...	52°348	-38°386	-4	...	...
...	45°869	-47°334	-5	m	...	...	48°772	+14°093	1°00	46.8891	9°8	...	52°541	+13°369	-3	...	...
...	45°898	-21°507	-5	m	...	...	48°885	+53°693	-5	m	...	...	52°599	+55°384	-5	m	...
1851	+45°917	+29°393	-4	...	...	1911	+48°979	-4°583	-2	...	...	1971	+52°619	-52°358	-1	...	...
...	45°981	-11°489	-5	m	...	...	49°207	+42°416	-5	m	...	...	52°624	-11°583	-1	...	...
...	46°039	+38°229	-5	m	...	...	49°254	+4°353	0°80	...	...	...	52°675	-37°455	-5	...	...
...	46°043	+23°239	-3	...	...	...	49°302	+28°930	-4	e	...	...	52°817	-6°189	-5	m	...
...	46°077	-4°874	0°90	...	...	...	49°348	+36°263	0°80	...	...	...	52°850	-29°629	-4	...	...
...	+46°134	-14°516	0°95	47.8488	9°8	...	+49°423	-10°584	-5	m	...	...	+52°914	+10°423	-2	...	...
...	46°167	-17°301	-5	m	...	...	49°441	-24°893	1°05	47.8491	9°4	...	52°987	+19°687	-5	m	...
...	* 46°202	+55°393	2°00	46.8888	8°8	...	49°475	+29°304	1°00	...	...	...	53°056	+57°832	-5	m	...
...	46°274	-29°649	-5	m	...	...	49°483	-40°591	1°25	47.8492	9°1	...	53°193	+14°055	-5	m	...
...	46°303	+37°734	-4	...	...	...	49°548	+44°783	1°10	46.8892	9°6	...	53°335	-0°947	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
1981-2020																		
1981	...	+53°475	+35°157	-4	o e	+55°460	-4°17	-5	o	+57°861	+19°078	-5	o m	...
...	...	53°579	+14°508	-1	55°551	-1°759	-5	m	57°900	+15°465	-5	m	...
...	...	53°579	+11°882	0°75	55°590	-32°088	-5	m	57°926	+30°652	-5	e	...
...	...	53°596	-3°527	-3	55°643	+26°664	-5	e	57°987	-47°042	-4
†	53°609	+14°804	-5	m	55°669	-23°545	-5	m	58°196	+37°939	-4
...	+53°711	+19°402	-5	m	...	...	+55°732	+4°642	-4	...	...	...	+58°248	-12°198	-5	m	...
*	53°811	+8°483	1°00	46.8897	9°6	55°818	+7°809	0°90	58°255	+54°527	-5
...	53°846	-46°874	1°00	55°942	-15°533	0°70	58°257	+6°127	-4	e	...
...	53°873	-16°799	-5	m	55°980	-54°010	-4	58°306	+52°413	-1
...	53°925	-0°755	-4	e	56°029	+16°413	-5	m	58°316	-13°764	0°90
1991	*	+53°953	+31°008	1°20	46.8895	9°8	...	+56°082	-29°420	-4	+58°330	+25°298	-5	m	...
...	53°963	+22°881	-5	m	...	*	56°163	-2°337	0°95	...	...	...	58°426	-25°525	0°90	...	...
...	53°975	+21°771	-1	...	...	...	56°179	+59°119	-4	...	...	*	58°625	-3°524	1°00	...	...
*	54°038	+43°280	1°20	46.8896	9°4	...	56°184	+28°903	-4	m	...	...	58°674	+8°326	0°95	...	...
...	54°078	-18°576	-4	e	...	...	56°186	+27°288	-5	e	...	S*	58°686	-13°604	3°60	47.8501	7°6
*	+54°096	-23°365	1°00	...	...	...	+56°349	+24°532	-5	...	...	*	+58°768	+27°325	1°00	...	...
...	54°181	-34°890	-5	m	...	...	56°428	-41°239	-4	...	...	...	58°787	+47°901	-5	e	...
...	54°384	+28°611	0°70	...	...	...	56°443	+4°283	-5	m	...	...	58°789	-49°202	-5	...	...
...	54°388	-7°243	-3	...	...	...	56°499	+28°665	-5	m	...	...	58°801	-40°555	-1	...	...
...	54°393	+2°243	-4	m	...	e*	56°505	-0°402	1°00	46.8898	9°6	...	58°885	-32°355	-4	...	...
2001	...	+54°443	-22°730	0°85	+56°515	+12°301	-4	+58°886	+43°658	1°00
...	54°486	+52°124	-1	...	...	...	56°654	+42°912	0°90	...	...	...	58°953	+4°460	0°90	...	...
...	54°590	+11°016	-4	...	...	...	56°756	+14°832	0°75	...	...	...	58°954	+21°674	-5	m	...
...	54°630	+54°114	-3	...	...	...	56°798	-41°420	-5	...	...	...	58°984	+7°567	-2	...	...
...	54°668	+2°894	-5	m	...	*	56°874	-14°618	0°95	...	...	...	59°028	-19°713	-3	...	...
†	+54°798	+45°422	0°70	...	...	...	+56°878	-31°736	-4	...	...	...	+59°047	+36°540	-5	m	...
†	54°833	-23°830	-4	...	...	...	56°987	+3°966	-4	...	...	...	59°059	+35°975	-4	...	...
*	54°997	-6°779	1°00	47.8497	9°6	...	56°998	-34°504	-5	...	...	...	59°104	-40°222	-5	...	...
...	55°007	+29°119	-1	...	...	...	57°092	-41°758	-4	...	...	*	59°116	+31°493	1°20	46.8899	9°3
*	55°018	-58°724	1°90	47.8498	9°1	...	57°181	+11°117	-5	m	...	*	59°116	-20°488	0°90	...	...
2011	...	+55°022	-3°581	-3	+57°232	+57°610	-4	+59°278	+2°182	-5
...	55°142	-11°818	-5	...	...	...	57°243	+23°733	-5	m	...	...	59°279	+36°902	-4	...	...
...	55°153	+2°254	-5	m	...	*	57°253	-33°506	1°05	47.8499	9°8	...	59°295	-36°196	-5	m	...	
...	55°155	-30°156	-5	...	...	...	57°254	-54°609	-5	...	...	...	59°320	-48°802	-5	...	...
...	55°195	+56°923	-5	m	...	...	57°360	+39°256	-4	...	...	...	59°381	-58°310	-5	...	...
...	+55°214	+8°759	-5	m	...	...	+57°416	-13°054	-4	...	...	*	+59°440	+59°207	1°30	45.8861	9°4
...	55°228	+42°102	1°00	...	...	...	57°421	+8°583	0°75	...	...	†	59°649	-47°124	-4	...	...
...	55°255	-36°950	-4	...	...	...	57°723	+43°068	-5	m	...	...	...	...	...	...	...
...	55°302	+13°138	0°70	...	...	...	57°762	-20°497	-4	...	...	...	...	...	...	...	...
...	55°404	-1°955	-5	m	...	*	57°765	-28°227	1°15	47.8500	9°4	...	...	...	...	...	...
2051	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2091	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

1-10				11-20				21-30			
I	-59°747	+22°519	-5	o	...	...	...	-59°340	-4°296	-5	o
†	59°693	+16°126	-5	...	...	...	...	59°329	+27°072	-5	...
...	59°680	-0°658	0°70	E	...	...	...	59°077	-14°956	-3	...
...	59°649	+27°733	-1	...	...	...	...	59°075	+46°117	-3	...
...	59°645	+20°285	0°90	...	...	...	...	59°016	+7°220	0°95	...
...	-59°456	-44°651	-4	...	...	...	-58°924	-24°898	-5	E	...
*	59°424	-35°608	2°00	47.8481	9°0	...	58°817	+16°709	0°70	...	...
S N*	59°402	+4°507	-5	...	...	...	58°747	-42°152	-5	...	...
...	59°356	-58°893	2°45	47.8480	8°5	...	58°617	-30°589	-5	E	...
...	59°345	+44°418	-5	...	...	...	58°602	+34°807	-2	...	...
L measured from 1, 116, 244, 357, 477, 610, 704, 865, 1038, 1148. C " " 67, 179, 297, 413, 543, 661, 760, 979, 1085, 1205. 9. Remeasure 1915, y = 58°093.											

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.	Mag.		
31-90																			
31	-57.663	+56.533	-4	o	...	...	91	*	-52.030	+40.216	1.20	46.8893	9.6	151	-47.004	-46.762	-1	o	...
*	57.656	-58.520	2.00	47.8483	8.8	...	...	51.981	-56.359	0.95	...	...	...	...	46.950	+57.784	-5	...	...
...	57.412	-2.969	-4	...	...	...	...	51.897	-14.942	-5	...	...	...	...	46.818	-11.693	-5	...	...
...	57.360	+29.208	-5	...	...	...	...	51.768	+30.718	0.65	-	...	...	...	46.781	+7.965	0.90	...	...
...	57.329	+13.502	0.90	...	...	...	...	51.754	-2.041	-2	...	...	...	...	46.769	+24.687	-5	...	...
...	57.315	-0.546	-4	E	...	...	...	51.630	-23.320	-4	...	...	...	...	-46.760	+4.784	-5	...	...
...	57.307	+16.323	0.90	...	...	*	...	51.566	-40.618	1.40	47.8492	9.1	...	...	46.740	-23.693	-4	...	...
...	57.257	-2.143	-3	...	...	...	...	51.363	+22.523	-4	...	...	...	...	46.241	+39.434	-5	...	...
...	57.235	+37.556	-4	...	...	...	...	51.361	+8.366	0.70	...	...	...	...	46.231	-30.027	-5	...	...
*	57.225	-2.436	1.15	47.8485	9.4	...	...	51.180	+32.846	-2	...	...	...	...	46.230	+12.455	-4	...	...
41	-57.185	-9.628	1.20	47.8486	9.5	...	101	-51.163	-31.098	-5	...	...	...	...	-46.112	-2.175	0.90	...	...
...	57.165	+9.305	-5	...	...	...	...	50.900	-18.198	0.70	...	...	...	...	46.068	+14.988	0.75	...	...
...	57.103	-17.534	1.00	...	...	*	...	50.892	-27.118	1.20	47.8494	9.6	...	...	45.900	-36.802	-5	...	...
...	57.063	+4.394	-5	...	...	...	...	50.846	-14.506	-3	...	...	...	...	45.899	-15.380	-4	...	...
...	57.043	+23.065	-5	...	...	...	...	50.771	-45.384	1.00	47.8493	9.8	...	...	45.842	+54.710	-5	...	...
...	56.793	+58.508	-4	...	...	*	...	50.745	+1.055	1.20	46.8894	9.8	E*	...	-45.831	-0.239	1.05	46.8898	9.6
...	56.764	+57.767	-4	...	...	...	...	50.728	-48.218	1.05	...	...	...	...	45.799	+13.916	-5	...	...
*	56.712	+58.729	2.00	46.8889	9.2	...	...	50.492	+13.211	-5	E	...	...	...	45.726	+52.606	-1	...	...
...	56.705	-11.784	0.95	...	...	...	...	50.349	-8.565	-5	E	...	...	...	45.498	+4.148	-5	...	...
...	56.473	-9.370	-5	...	...	...	...	50.303	-8.462	-4	...	...	...	...	45.429	-58.577	2.00	47.8498	9.1
51	-56.463	-10.540	1.00	47.8487	9.8	...	111	-50.232	+13.409	-4	...	...	...	...	-45.408	+30.856	-5	E	...
...	56.415	+20.039	-5	...	...	...	...	50.186	-11.109	-4	...	...	...	...	45.369	+38.146	-5	...	...
...	56.216	+47.478	1.00	46.8890	9.8	...	...	49.980	+35.213	-5	E	...	...	...	45.323	-29.252	-5	...	...
...	56.152	+39.478	-4	...	...	*	...	49.963	-47.495	1.30	47.8495	9.6	...	...	45.208	+8.782	0.75	...	...
†	56.100	-5.036	0.90	...	...	...	...	49.943	-13.311	0.65	...	...	...	...	45.086	+48.113	-5	E	...
...	56.069	-31.887	0.90	...	...	+	...	49.789	-44.342	1.10	47.8496	9.5	...	...	-45.005	-14.417	0.90	...	...
...	56.043	-23.776	-4	...	...	+	...	49.756	+10.480	-4	...	...	...	...	44.872	+43.874	1.00	...	...
...	55.838	+13.084	-5	...	...	+	...	49.685	+43.350	1.30	46.8896	9.4	...	...	44.810	+59.451	1.30	45.8861	9.4
*	55.734	-14.654	1.00	47.8488	9.8	...	...	49.511	+52.206	-3	...	...	...	...	44.634	-53.824	-5	...	...
...	55.694	+17.047	-5	E	...	...	...	49.438	+54.196	-4	...	...	...	...	44.590	-41.059	-4	...	...
61	-55.528	+38.364	1.10	...	...	*	121	-49.382	+31.083	1.00	46.8895	9.8	...	...	-44.456	+27.552	0.85	...	...
...	55.437	+21.447	1.00	...	...	...	...	49.382	-20.947	-5	...	...	...	...	44.451	-31.543	-3	...	...
...	55.405	-36.179	-4	...	...	...	...	49.351	-11.532	0.70	...	...	...	...	44.433	+36.214	-3	...	...
...	55.334	-38.527	-4	...	...	...	...	49.286	-46.319	-5	...	...	...	...	44.280	+6.349	-5	E	...
...	55.193	+4.308	-5	E	...	...	...	49.230	+14.570	0.70	...	...	...	...	44.256	+37.133	-4	...	...
...	54.987	-54.067	-1	...	...	...	...	49.145	+11.948	0.90	...	...	...	...	-44.231	+31.727	1.30	46.8899	9.3
†	54.740	-7.791	0.90	...	...	...	...	49.066	+21.848	-2	...	...	...	...	44.220	-41.230	-5	...	...
...	54.670	+11.390	-5	E	...	...	...	48.990	+45.520	1.00	...	...	...	...	44.013	-33.288	1.20	47.8499	9.8
...	54.601	-35.125	-4	...	...	...	...	48.883	+28.693	0.80	...	...	...	...	43.952	+8.564	1.00	...	...
...	54.552	+20.515	-5	...	...	*	...	48.807	+8.560	1.00	46.8897	9.6	...	...	43.937	-20.280	-5	...	...
71	-54.534	-31.313	-5	...	...	...	131	-48.769	-38.327	-5	...	...	...	...	-43.914	-41.552	-4	...	...
...	54.223	+44.694	1.20	46.8892	9.6	...	...	48.639	-3.451	-4	...	...	...	...	43.667	-27.997	1.40	47.8500	9.4
...	54.161	+36.181	-1	...	...	...	...	48.541	-29.555	-5	...	...	...	...	43.619	-3.275	0.95	...	...
...	54.125	-19.657	0.90	...	...	...	...	48.465	+42.209	-1	...	...	...	...	43.612	+7.819	-2	...	...
...	54.089	-22.397	0.75	...	...	...	...	48.384	-0.672	-5	E	...	...	...	43.603	-13.522	0.70	...	...
...	54.045	+8.338	-4	...	...	...	...	48.267	+29.228	-3	...	...	...	...	-43.547	+4.695	-1	...	...
*	54.014	+13.999	1.15	46.8891	9.8	...	...	48.104	+11.119	-5	...	...	...	...	43.457	+40.285	-1	...	...
...	53.961	+28.850	-5	E	...	...	...	48.056	+59.244	-5	...	...	...	...	43.337	-54.384	-5	...	...
...	53.879	-15.294	-4	E	...	...	...	48.039	-52.278	-4	...	...	...	S*	43.192	-13.358	3.85	47.8501	7.6
...	53.806	+29.234	1.00	...	...	...	...	48.034	+2.340	-5	M	...	...	...	43.147	+2.440	-5	...	...
81	-53.226	+4.289	-1	...	...	...	141	-47.724	-7.125	-4	...	...	...	...	-43.110	-25.286	0.65	...	...
*	53.223	-16.248	1.50	47.8490	9.1	...	...	47.661	-18.463	-5	E	...	...	...	43.055	+35.453	-4	M	...
...	53.213	-4.655	-2	...	...	...	...	47.552	+26.792	-5	E	...	...	...	42.993	+49.317	-3	...	...
...	52.994	-46.130	-5	...	...	...	...	47.491	-23.258	1.00	...	...	...	...	42.971	+26.024	-5	...	...
...	52.527	-1.666	0.65	...	...	...	...	47.465	+13.258	-3	...	...	...	...	42.969	-46.832	-4	M	...
...	52.442	-36.121	1.00	...	...	...	...	47.204	-3.452	-4	...	...	...	...	-42.850	-46.809	-5	...	...
...	52.186	+18.517	-5	...	...	...	...	47.165	-22.608	0.85	...	...	...	...	42.740	+45.072	-4	M	...
...	52.156	+31.529	-4	...	...	*	...	47.116	-6.647	1.05	47.8497	9.6	...	...	42.711	+35.873	1.50	46.8901	9.3
*	52.100	-24.932	1.20	47.8491	9.4	...	...	47.068	+43.062	-1	...	...	...	...	42.685	-19.441	-4	...	...
...	52.064	+6.496	0.65	...	...	...	...	47.042	+27.427	-5	E	...	...	...	42.679	+38.767	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-r.	No.	Mag.		x.	y.	-r.	No.	Mag.		x.	y.	-r.	No.	Mag.
211-270																	
211	* -42° 609	+ 9° 152	1° 20	46.8900	9·6	271	-37° 410	+ 6° 057	0·85	°	...	331	-32° 159	+ 12° 279	- 4	°	...
...	42° 579	-20° 228	0·65	...	...	...	37° 405	+ 38° 194	- 5	M	...	...	32° 158	- 57° 887	- 5	...	...
...	42° 420	-32° 096	- 4	...	...	...	37° 124	+ 35° 281	- 4	...	...	...	32° 142	- 19° 746	- 5	M	...
...	42° 360	+23° 412	- 5	M	...	...	37° 084	- 38° 862	0·90	...	...	...	32° 080	- 44° 126	1° 00	...	...
...	42° 350	- 2° 969	- 5	...	...	...	37° 061	- 21° 759	- 3	...	...	...	32° 054	- 50° 096	- 5	M	...
...	-42° 300	+ 5° 855	0·65	...	...	...	-37° 052	+ 46° 397	1° 00	46.8907	9·8	*	-31° 843	- 57° 892	1° 25	47.8510	9·8
...	42° 244	-40° 297	0·70	...	...	...	36° 991	- 25° 035	- 5	...	...	...	31° 826	- 55° 139	- 4	...	...
...	41° 867	-13° 014	- 3	...	...	...	36° 405	- 30° 571	- 4	...	...	...	* 31° 563	- 38° 360	1° 20	47.8512	9·6
...	41° 775	+30° 205	0·65	...	...	...	36° 304	- 36° 401	1° 00	47.8504	9·8	S *	31° 498	+ 27° 163	2° 35	46.8918	8·4
...	41° 693	-13° 313	- 4	...	...	...	36° 285	+ 34° 965	0·90	...	...	...	31° 483	+ 10° 330	- 3	...	...
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	-41° 523	-11° 543	- 3	...	...	...	-36° 161	+ 15° 801	1° 00	46.8908	9·6	...	-31° 467	+ 1° 563	- 5	...	...
...	41° 412	+ 5° 179	0·95	46.8902	9·8	...	36° 152	- 34° 467	1° 00	47.8505	9·8	...	31° 143	+ 13° 128	- 2	...	...
...	41° 402	+28° 144	0·80	...	...	...	36° 046	- 11° 591	1° 00	47.8506	9·8	...	31° 057	- 5° 574	0·80	...	...
...	41° 400	+ 3° 807	- 5	...	...	...	35° 888	+ 5° 510	2° 00	46.8909	8·8	...	30° 953	+ 15° 756	- 5	...	...
...	41° 244	-13° 706	0·65	...	...	...	35° 844	+ 20° 182	0·70	...	...	...	30° 914	+ 12° 364	- 5	M	...
...	-41° 201	+18° 567	- 5	M	...	...	-35° 748	- 14° 152	- 5	M	...	...	-30° 894	- 9° 684	- 5	...	...
...	41° 149	-10° 414	- 4	...	...	...	35° 616	+ 15° 948	1° 00	46.8910	9·8	...	30° 584	- 44° 591	- 4	...	...
...	41° 123	- 4° 650	- 3	...	...	...	35° 470	- 35° 964	1° 15	47.8507	9·4	...	30° 422	+ 43° 995	- 5	M	...
...	41° 110	-58° 020	- 5	...	...	...	35° 403	- 39° 808	- 3	...	...	...	30° 367	- 19° 953	0·80	...	...
...	41° 053	+36° 555	- 2	...	...	...	35° 346	+ 35° 354	1° 00	46.8911	9·8	...	30° 249	- 42° 826	0·85	...	...
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	-40° 990	+ 3° 542	- 2	...	...	...	-35° 272	- 36° 834	- 2	...	...	...	-30° 214	+ 1° 475	- 5	M	...
...	40° 952	-41° 834	0·70	...	...	S *	35° 180	- 40° 232	2·60	47.8508	8·3	...	30° 051	- 17° 019	- 4	...	...
...	40° 726	-57° 972	- 4	...	...	...	35° 152	+ 15° 496	- 5	...	...	...	30° 026	- 42° 060	- 4	...	...
...	40° 563	-25° 260	- 4	...	...	...	35° 124	+ 38° 576	- 5	...	...	...	* 30° 022	- 36° 278	1° 30	47.8513	9·2
...	40° 545	-11° 423	- 4	...	...	...	35° 062	+ 50° 167	0·95	46.8912	9·8	...	29° 983	- 18° 949	- 2	...	...
...	* 40° 502	-21° 782	1° 00	47.8503	9·8	...	-35° 027	- 31° 144	- 1	...	...	...	-29° 965	- 3° 927	1° 10	47.8514	9·6
...	* 40° 361	+28° 432	1° 20	46.8903	9·8	...	34° 682	- 21° 580	- 2	...	...	...	29° 821	- 17° 040	- 4	...	...
...	40° 214	-12° 542	- 5	M	...	...	34° 488	- 56° 987	- 3	...	...	...	29° 657	+ 8° 362	0·85	...	...
...	40° 085	+25° 213	- 4	M	...	...	34° 484	+ 7° 909	- 5	...	...	...	29° 614	- 19° 620	- 5	...	...
...	40° 085	-37° 328	- 5	M	...	...	34° 461	+ 42° 326	1° 20	46.8913	9·5	+	29° 405	- 5° 027	1° 00	47.8515	9·8
241	...	...	...	...	...	301	...	...	...	...	...	361	...	...	...	...	...
...	-40° 077	-35° 806	- 1	...	...	...	-34° 375	+ 22° 705	- 3	...	...	...	-29° 267	- 7° 558	- 4	...	...
...	40° 062	- 3° 488	- 4	M	...	...	34° 183	- 20° 723	1° 00	47.8509	9·8	...	29° 216	- 58° 287	- 3	...	...
...	40° 050	-58° 734	1° 00	47.8502	9·8	...	34° 179	+ 27° 096	- 4	...	...	...	29° 209	+ 16° 922	- 5	M	...
...	39° 747	-11° 382	0·85	...	...	...	34° 178	+ 54° 029	- 5	M	...	...	29° 193	- 22° 089	- 5	...	...
...	39° 712	-49° 026	- 5	...	...	...	34° 044	- 52° 381	- 5	M	...	...	29° 068	- 7° 979	- 5	...	...
...	-39° 709	+45° 386	- 4	...	...	...	-34° 015	- 45° 397	- 4	M	...	...	-29° 047	- 15° 712	- 4	...	...
...	39° 686	+ 5° 547	0·70	...	...	...	34° 011	- 8° 049	0·65	...	...	...	28° 974	- 7° 300	- 5	...	...
...	39° 686	+ 1° 877	- 5	...	...	...	33° 930	- 44° 470	- 4	...	...	...	28° 914	- 19° 960	1° 00	47.8516	9·6
...	39° 665	+21° 542	- 4	...	...	...	33° 791	- 58° 746	- 5	...	...	...	28° 686	- 37° 877	- 2	...	...
...	39° 630	-13° 760	- 3	...	...	...	33° 790	+ 3° 746	- 4	...	...	...	28° 683	- 41° 038	0·90	...	...
251	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...
...	-39° 573	+50° 787	- 5	...	...	...	-33° 761	- 7° 970	- 5	M	...	*	-28° 626	- 14° 665	1° 00	...	...
...	* 39° 549	+21° 278	1° 00	46.8904	9·6	...	33° 743	- 10° 904	0·70	...	...	...	28° 498	+ 7° 598	- 4	...	...
...	39° 535	+ 3° 348	- 5	M	...	*	33° 443	+ 34° 211	2·00	46.8914	8·8	...	28° 497	- 46° 084	0·95	...	...
...	39° 506	+47° 870	1° 00	...	...	...	33° 400	+ 56° 649	0·85	...	...	...	28° 313	+ 37° 015	- 2	...	...
...	39° 194	- 3° 094	0·80	...	...	...	33° 265	+ 15° 615	- 4	...	...	...	28° 260	+ 45° 545	- 5	M	...
...	-39° 162	+33° 078	0·90	...	...	...	-33° 243	- 38° 012	- 1	...	...	...	-28° 018	+ 6° 679	- 5	M	...
...	39° 105	-39° 163	- 5	...	...	...	33° 031	- 41° 571	- 3	...	...	...	27° 928	+ 5° 133	- 4	...	...
...	39° 046	+ 3° 604	- 5	M	...	...	32° 989	+ 16° 296	- 4	...	...	...	27° 871	+ 23° 665	- 5	M	...
...	38° 859	- 1° 359	- 5	M	...	...	32° 758	+ 9° 660	- 4	...	...	...	27° 859	- 19° 203	0·70	...	...
...	38° 849	- 7° 129	- 5	...	...	...	32° 712	+ 14° 856	- 5	...	...	...	27° 841	+ 36° 217	1° 00	46.8919	9·8
261	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...
...	-38° 787	+48° 358	- 2	...	...	...	-32° 707	+ 2° 014	- 2	...	...	...	-27° 599	- 33° 372	- 4	...	...
...	* 38° 580	+29° 145	1° 00	46.8905	9·6	S *	32° 624	+ 48° 864	2·90	46.8916	7·9	*	27° 507	- 41° 666	1° 50	47.8517	9·2
...	38° 555	-59° 276	- 5	M	...	...	32° 499	- 51° 808	1° 00	...	...	...	27° 326	+ 47° 201	- 3	...	...
...	38° 494	+14° 593	- 5	M	...	*	32° 493	- 0·480	1·10	46.8915	9·8	...	27° 296	+ 9° 555	- 5	...	...
...	38° 330	+24° 395	- 3	...	...	...	32° 362	- 39° 819	0·75	...	...	...	27° 167	- 24° 964	- 5	...	...
...	-38° 325	-42° 130	- 2	...	...	...	-32° 337	+ 19° 079	- 4	...	...	...	-27° 130	+ 32° 538	- 4	...	...
...	38° 181	- 9° 641	- 5	M	...	...	32° 283	+ 9° 550	0·80	...	...	...	27° 119	+ 52° 978	1° 00	...	...
...	38° 150	+46° 825	- 2	...	...	*	32° 277	- 18° 354	1·15	47.8511	9·1	...	27° 107	+ 45° 699	- 5	M	...
...	* 37° 585	+ 4° 697	1° 00	46.8906	9·8	...	32° 246	+ 26° 464	- 3	...	...	...	27° 095	+ 45° 702	- 5	M	...
...	37° 417	+ 8° 595	- 5	...	...	*	32° 194	+ 36° 044	2·10	46.8917	8·6	...	26° 773	+ 12° 578	- 5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-t.	No.	Mag.		x.	y.	-t.	No.	Mag.		x.	y.	-t.	No.	Mag.	
391-450															451-510			
39 ¹	-26.735	-29.789	0.70	0	...	...	-22.098	-55.905	-4	0	...	...	-17.667	+17.844	-5	0	...
...	26.718	+0.224	1.00	46.8920	9.6	...	22.056	+42.287	-5	M	...	...	17.615	-15.467	0.65	...	...
...	26.655	+51.014	-1	...	...	...	22.053	+8.819	0.70	...	...	...	17.484	+17.849	-5	...	...
...	26.643	+1.069	-5	...	...	...	22.017	-22.341	0.95	47.8522	9.8	*	17.451	+48.176	3.00	46.8934	8.2
*	26.597	+40.697	1.00	46.8921	9.6	...	21.806	+2.069	-4	...	...	...	17.414	+49.953	-4	...	...
...	26.433	+9.196	-1	...	...	...	21.736	-23.800	-1	...	...	*	17.261	-51.641	1.80	47.8527	9.0
*	26.421	+58.868	1.15	46.8922	9.8	...	21.642	-9.746	-3	...	...	...	16.967	+21.460	0.80	...	...
...	26.017	+27.862	-4	...	...	...	21.539	+27.328	-5	...	...	*	16.944	+40.010	2.50	46.8935	8.5
...	25.893	-56.041	1.00	...	...	...	21.464	-38.866	-3	...	...	...	16.711	+22.009	-4	...	...
...	25.892	+16.761	-4	...	...	...	21.411	+12.092	-4	...	...	...	16.652	-59.623	0.90	...	...
40 ¹	461															511-570		
...	-25.890	-46.905	0.90	...	...	*	-21.393	-17.687	1.00	47.8523	9.8	...	-16.608	+12.167	-3	...	...
*	25.888	+43.340	1.00	46.8923	9.8	...	21.227	-43.499	-5	...	...	†	16.606	-54.964	-4	...	...
...	25.663	-21.925	-5	...	...	*	21.127	+50.511	1.25	46.8931	9.6	...	16.463	+25.044	0.70	...	...
...	25.595	-20.587	-3	...	...	*	20.991	+6.926	1.35	46.8930	9.2	...	16.433	+31.046	0.80	...	...
...	25.497	+45.596	-5	...	...	*	20.905	+6.960	1.20	...	...	...	16.431	+28.982	-5	...	...
...	25.435	+37.680	-2	...	...	...	20.795	-36.251	-5	...	...	...	16.396	-22.065	-5	...	...
...	25.385	+7.821	-2	...	...	...	20.753	+55.983	-4	...	...	...	16.388	+32.699	-5	...	...
...	25.342	-46.497	0.80	...	...	...	20.534	+18.719	-5	M	...	*	16.269	+23.669	1.30	46.8936	9.4
...	25.309	+10.261	-5	...	...	...	20.524	-45.189	0.90	...	...	*	16.252	-21.886	1.00	47.8528	9.5
...	25.246	+23.847	-5	M	...	...	20.479	+28.976	-4	...	...	...	16.201	-31.440	0.65	...	...
41 ¹	471															531		
...	-25.176	-21.125	-4	...	...	...	-20.373	+46.222	1.00	...	...	...	-16.038	+3.052	-2	...	...
...	25.176	-34.675	-2	...	...	...	20.340	-0.528	-5	M	...	...	15.962	-46.074	-5	...	...
†	24.839	-35.602	-1	...	...	...	20.274	+14.209	-5	...	...	...	15.769	+15.390	0.65	...	...
...	24.784	+39.083	-4	...	...	*	20.136	+22.108	1.40	46.8932	9.3	...	15.763	+1.923	-5	...	...
...	24.555	+47.418	-1	...	...	...	19.996	+11.085	-5	...	...	...	15.547	-29.482	-5	...	...
...	24.483	-58.126	-5	...	...	*	19.941	-33.701	-4	...	...	...	15.534	-56.549	-4	...	...
...	24.374	+54.010	-4	...	...	*	19.844	-53.686	1.10	47.8524	9.5	...	15.374	-39.725	-3	...	...
*	24.373	+41.662	1.20	46.8925	9.8	†	19.823	+33.135	-5	...	...	...	15.313	+56.710	0.80	...	...
...	24.288	+27.897	-5	M	...	...	19.702	+26.453	-5	...	...	...	15.292	+44.358	-5	...	...
*	24.285	+36.733	1.30	46.8924	9.5	...	19.656	+51.892	-4	...	...	...	15.153	+12.992	-2	...	...
42 ¹	481															541		
*	-24.075	-58.941	2.00	47.8518	8.8	...	-19.638	+34.229	-5	...	...	...	-15.041	-54.332	-5	...	...
*	24.009	-31.591	1.50	47.8519	9.2	...	19.561	+6.870	-2	...	...	...	15.024	-17.450	0.90	...	...
...	23.984	+36.892	-2	...	...	†	19.439	-20.022	-1	...	...	...	14.797	+15.303	-5	...	...
...	23.879	+39.114	-5	M	...	...	19.323	+57.991	-5	M	...	...	14.667	-48.780	-3	...	...
*	23.844	-41.532	1.00	47.8520	9.8	...	19.285	-5.600	1.00	47.8525	9.8	...	14.592	-5.411	-3	...	...
*	23.824	+20.170	1.20	46.8926	9.5	†	-18.881	-30.086	0.90	...	...	...	-14.458	-9.118	1.00	47.8529	9.8
*	23.722	+59.082	1.20	46.8927	9.8	...	18.830	-34.052	-2	...	...	...	14.385	+37.041	-5	...	...
...	23.661	-22.474	-3	...	...	...	18.708	+5.946	-5	...	...	...	14.260	+35.380	0.85	...	...
...	23.618	-55.351	1.00	...	...	...	18.638	-59.355	-5	...	...	...	14.067	-41.924	0.90	...	...
...	23.522	+18.558	0.85	...	...	...	18.567	+36.390	-5	...	...	...	13.979	-58.496	-5	...	...
43 ¹	491															551		
...	-23.423	-14.634	-5	...	...	...	-18.512	+48.978	1.00	...	...	...	-13.960	-56.864	0.90	...	...
...	23.397	+43.421	-3	...	...	...	18.511	+42.595	-3	...	...	...	13.821	-39.086	-4	...	...
...	23.361	+0.154	-5	α	...	...	18.483	+23.367	0.70	...	...	...	13.814	+22.755	-4	...	...
...	23.352	-39.749	-3	...	...	...	18.414	-32.422	-5	...	...	...	13.644	-55.305	-5	...	...
...	23.338	+47.164	-3	...	...	...	18.403	-46.173	0.90	...	...	...	13.592	+44.082	-4	...	...
...	23.283	-44.767	-5	...	...	*	-18.398	-37.738	1.00	47.8526	9.6	...	-13.535	+50.746	-5	...	...
...	23.258	-19.058	0.75	...	...	...	18.397	+59.574	-4	...	...	...	13.510	-42.603	-5	M	...
...	23.209	+0.231	0.65	α	...	...	18.394	-3.221	0.90	...	...	...	13.463	-42.265	-3	...	...
...	23.080	-42.306	-5	M	...	...	18.379	+40.962	-5	...	...	...	13.457	-33.708	-3	...	...
...	23.029	+44.129	-5	M	...	...	18.368	-54.488	-3	...	...	...	13.425	-54.562	1.00	...	...
44 ¹	501															561		
...	-22.935	+22.327	-3	...	...	...	-18.346	-9.253	-5	...	...	...	-13.335	-40.706	-3	...	...
...	22.893	-6.334	-5	...	...	...	18.270	+59.264	1.00	46.8933	9.8	...	13.326	-1.615	-2	...	...
...	22.882	+55.765	0.80	...	...	...	18.223	+43.758	-5	...	...	...	13.248	+21.710	-5	...	...
...	22.856	+49.539	0.95	...	...	...	18.158	-8.421	-2	...	...	...	13.173	-19.945	0.65	...	...
...	22.814	+54.649	0.80	...	...	...	18.143	-0.379	-5	M	...	...	12.931	+20.009	-3	...	...
...	22.632	+11.829	-3	...	...	...	-18.095	+34.352	-5	...	...	...	-12.733	-12.906	-4	...	...
*	22.582	+23.676	1.00	46.8928	9.8	...	18.082	+15.420	-5	M	...	...	12.713	+7.554	-3	...	...
S*	22.565	-11.949	3.55	47.8521	7.7	...	17.986	-36.730	-5	M	...	...	12.681	+3.226	1.00	...	...
...	22.481	-36.918	-5	...	...	...	17.831	-42.530	0.75	...	...	...	12.568	-7.465	-5	...	...
*	22.314	+37.876	1.10	46.8929	9.8	...	17.767	+16.709	0.65	...	...	...	12.475	-0.450	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
571-630																	
57I	-12·377	+50·174	0·95	o	...	63I	-7·923	-14·368	-5	o m	...	69I	-2·001	+44·079	-5	o m	...
...	12·373	+33·121	-1	...	...	n *	7·805	-30·317	1·00	...	...	...	1·813	+52·044	-3	...	...
*	12·366	+46·010	1·15	46.8937	9·6	n	7·717	-30·182	0·70	47.8536	9·3	...	1·390	+37·036	-5	...	...
...	12·347	-26·639	-5	...	...	...	7·697	-13·463	0·85	...	...	...	1·365	+10·968	-4	m	...
...	12·317	+14·534	-3	...	...	...	7·665	-58·236	0·90	47.8535	10·2	...	1·350	-45·680	-4	m	...
...	-12·254	+24·139	-5	...	...	...	-7·574	+44·279	1·00	46.8940	9·8	...	-1·261	-17·106	-5	m	...
...	12·144	+7·684	-5	...	...	...	7·536	+28·949	0·80	...	...	...	1·167	+0·541	-4	M	...
...	12·130	+34·160	-2	...	...	...	7·532	+50·348	-3	...	...	...	0·801	+37·777	0·95	46.8943	9·8
...	12·082	+6·177	-2	...	...	...	7·524	-26·273	0·90	...	...	S *	0·722	+12·857	2·00	46.8942	8·7
...	11·889	+22·543	-5	M	...	...	7·327	-22·392	0·90	...	...	...	0·362	-12·535	-4	m	...
58I	-11·858	-51·221	-4	...	...	64I	-7·318	-49·623	1·30	47.8537	9·4	70I	-0·317	+26·558	0·75	...	...
...	11·759	+44·393	-5	...	...	...	6·959	-49·386	-5	m	...	...	0·003	+39·703	0·90	...	...
...	11·694	+55·235	-2	...	...	...	6·539	+1·675	-5	m	...	...	0·029	+25·276	0·95	46.8944	9·8
...	11·693	+57·116	-2	...	...	...	6·345	-30·509	-4	m	...	...	0·051	-55·858	-2	...	...
*	11·671	-6·448	1·25	47.8530	9·6	...	6·318	-7·952	-5	m	...	...	0·149	+23·669	-5	M m	...
...	-11·590	+36·571	0·65	...	...	...	6·148	-19·008	0·85	m	...	...	+ 0·316	+53·837	-3	...	...
...	11·549	-58·931	-4	...	...	...	6·075	-35·341	-4	m	...	...	0·336	+30·411	-4	...	...
...	11·355	-52·355	0·65	...	...	...	6·032	-6·982	-5	M m	...	...	0·387	+45·639	-1	...	...
...	11·340	-33·984	-5	...	...	...	5·911	+32·287	-5	m	...	...	0·447	+49·514	-4	...	...
...	11·317	-42·099	-1	...	...	...	5·883	-43·450	-4	m	...	...	0·521	-29·818	0·90	...	...
59I	-11·191	+15·575	-5	...	...	65I	-5·882	-49·784	0·90	...	...	71I	+ 0·657	+46·841	-5	m	...
...	11·098	+14·953	-3	...	...	...	5·499	-6·401	-3	m	...	...	0·720	+21·324	-5	m	...
...	11·083	-7·809	1·00	...	...	...	5·482	+58·122	-5	m	...	...	0·786	-9·714	-4	m	...
...	10·950	+16·166	-4	...	...	...	5·469	+34·603	1·00	46.8941	9·6	...	0·834	-24·768	0·95	47.8542	9·8
...	10·887	+51·235	-1	...	...	...	5·426	-39·565	-2	...	...	...	0·915	+38·723	-4	...	...
...	-10·799	-17·658	-4	...	...	...	-5·383	+18·898	0·95	...	...	...	+ 1·077	+59·718	-5	...	...
...	10·764	-20·415	1·00	47.8531	9·8	*	5·199	-46·974	1·00	47.8538	9·4	...	1·286	+59·635	-5	...	...
...	10·762	+17·258	-2	...	...	...	5·196	-44·814	-5	m	...	...	1·351	+48·274	-5	m	...
...	10·578	+52·123	-4	...	...	...	5·172	-21·929	-4	m	...	...	1·464	+59·265	1·90	46.8945	9·6
...	10·540	+23·906	1·00	...	...	...	5·009	-39·849	-5	m	...	...	1·485	+39·232	-5	...	...
60I	-10·496	+8·546	1·10	46.8938	9·8	66I	-4·615	+20·467	-3	...	...	72I	+ 1·641	-9·789	1·00	47.8544	9·8
...	10·494	+16·523	-5	...	...	...	4·585	+44·697	-2	...	...	...	1·660	-6·717	-5	M m	...
...	10·387	+1·083	0·70	...	...	...	4·460	+11·687	-2	...	...	...	1·737	-8·954	-5	m	...
...	10·254	-20·354	-3	...	...	...	4·336	-14·723	1·20	47.8539	9·4	*	1·738	-38·188	1·00	47.8543	9·4
...	10·136	-46·472	0·80	...	...	...	4·164	+51·490	-2	...	...	...	2·118	+34·876	-5	m	...
...	-10·001	-33·363	-3	...	...	...	4·158	-36·754	1·80	47.8540	8·7	...	+ 2·135	-6·856	0·90	...	...
...	9·980	+39·555	-2	...	...	...	3·950	-48·483	-4	m	...	...	2·136	+51·109	1·00	46.8946	9·8
†	9·950	-24·487	-2	...	...	...	3·578	+15·613	-3	...	...	...	2·246	-55·902	0·95	...	...
†	9·941	+46·077	-5	...	...	...	3·529	+10·903	-4	...	...	...	2·292	-2·708	1·90	47.8545	9·3
...	9·821	+11·196	-3	...	...	...	3·431	-11·731	-3	m	...	...	2·323	-45·860	-5	m	...
61II	-9·803	-50·764	-5	...	...	67I	-3·360	+24·740	-4	...	...	73I	* + 2·401	+55·729	1·30	46.8947	9·4
...	9·688	-52·833	-2	...	...	...	3·357	+50·441	0·65	...	...	...	2·414	+4·577	-4	...	...
...	9·682	-0·392	-5	M	...	...	3·321	-59·144	1·30	47.8541	9·6	...	2·429	-39·310	-5	m	...
*	9·632	-47·197	2·00	47.8532	8·4	...	3·027	+9·554	-4	...	...	...	2·779	-9·440	-5	m	...
...	9·607	+58·807	-4	...	...	...	2·914	+56·951	-3	...	...	...	2·824	+11·041	-5	m	...
...	-9·577	-13·718	-5	...	...	...	2·603	+28·642	-4	m	...	...	+ 2·920	+36·247	-4	...	...
...	9·357	+4·393	-5	M	...	...	2·602	+18·655	-5	...	...	S *	2·997	-50·121	2·00	47.8546	8·6
...	9·310	-54·373	-5	m	...	...	2·601	-26·960	0·75	...	...	...	3·036	+22·699	1·00	46.8948	9·8
...	9·276	+46·061	-5	...	...	...	2·569	-48·056	-5	m	...	...	3·071	-57·249	1·00	...	...
...	8·749	+13·559	0·90	46.8939	9·8	...	2·549	+56·969	-4	m	...	...	3·134	+45·423	-5	...	...
62I	-8·734	+3·148	-5	m	...	68I	-2·535	-12·643	-4	m	...	74I	* + 3·338	+11·620	1·00	46.8949	9·8
...	8·665	-25·138	1·10	47.8533	9·3	...	2·523	-57·221	-3	...	...	...	3·361	-35·888	1·30	47.8547	9·2
...	8·653	-9·849	0·70	...	...	...	2·512	-40·095	-4	m	...	...	3·436	+20·273	-5	...	...
...	8·402	+28·587	0·70	...	...	...	2·510	+55·062	-4	M m	...	S *	3·727	+54·341	2·60	46.8950	8·2
...	8·350	-21·547	-5	m	...	...	2·473	-45·070	-5	M m	...	...	3·820	+32·753	0·80	...	...
...	-8·122	-20·283	-2	...	...	...	-2·407	-9·707	-3	m	...	...	+ 4·005	+18·136	-4	...	...
*	8·102	-12·596	1·00	47.8534	9·6	...	2·282	+45·568	-1	...	...	...	4·028	+50·180	0·90	...	...
...	8·060	+33·406	0·90	...	...	...	2·177	+52·745	-4	...	...	...	4·037	-13·902	-5	M m	...
...	8·018	+32·969	-5	m	...	...	2·087	+22·154	-5	...	...	*	4·056	+42·043	1·25	46.8951	9·3
...	8·014	+14·942	0·90	...	...	...	2·015	+27·297	-3	...	...	...	4·199	+31·177	-4	...	...

632, 633. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
751-810																	
751	+ 4°258	+ 24°197	- 5	m	...	811	+ 9°639	- 37°756	- 5	m	...	871	* + 15°704	+ 42°778	1°25	46°8962	9°6
...	+ 4°433	+ 40°976	- 5	m	...	...	9°694	- 18°641	- 3	...	...	...	15°734	- 11°484	- 5	m	...
...	+ 4°478	+ 17°213	- 4	M	...	...	9°925	+ 18°081	- 1	...	...	*	15°840	+ 37°541	1°00	46°8963	9°8
*	+ 4°623	+ 57°145	1°05	46.8952	9°8	†	10°131	+ 52°321	0°80	...	...	...	15°857	+ 3°913	- 4	m	...
...	+ 4°724	+ 21°167	0°95	...	...	...	10°211	+ 29°448	- 5	m	...	...	15°860	- 49°110	- 4	m	...
...	+ 4°785	- 26°433	- 5	m	...	...	+ 10°401	+ 39°618	- 3	...	...	+ 15°919	+ 15°471	- 2	...	...
...	+ 4°805	+ 14°102	- 4	...	...	...	10°467	- 5°655	1°00	47.8555	9°8	...	16°031	+ 17°290	- 4	...	...
...	+ 4°854	+ 45°297	- 5	m	...	...	10°748	- 4°772	- 4	m	...	...	16°324	- 23°022	- 3	m	...
...	+ 4°935	- 50°676	- 5	Mm	...	*	11°030	- 2°738	1°20	47.8556	9°5	...	16°371	- 14°736	0°90	...	...
†	5°117	+ 25°720	0°80	...	...	...	11°041	- 18°845	- 3	...	...	*	16°424	+ 28°849	1°00	46.8964	9°8
811-870																	
761	+ 5°119	+ 50°970	- 5	...	...	...	+ 11°209	- 26°783	- 3	...	...	...	+ 16°449	- 22°366	- 3	m	...
...	5°126	- 58°475	- 1	m	...	...	11°270	+ 12°198	- 5	m	...	...	16°531	- 58°401	1°00	47.8563	9°8
‡	5°278	- 49°979	1°10	47.8548	9°8	*	11°410	+ 5°245	1°15	46.8958	9°8	...	16°777	- 12°126	- 5	m	...
*	5°346	+ 35°163	1°20	46.8953	9°5	...	11°562	+ 55°317	- 4	...	...	...	16°898	+ 48°791	- 5	m	...
...	5°461	+ 32°203	0°80	...	...	...	11°805	- 46°399	- 5	m	...	...	16°928	- 48°449	- 3	m	...
*	+ 5°653	+ 10°997	1°15	46.8954	9°5	...	+ 11°806	+ 49°526	- 5	m	...	...	+ 16°969	+ 57°089	- 4	...	...
...	5°745	- 58°703	- 1	m	...	...	12°066	+ 13°480	- 5	...	...	...	16°988	+ 29°255	0°70	...	...
...	5°842	+ 32°961	0°70	...	...	...	12°137	+ 47°517	- 5	m	...	...	17°109	+ 57°033	- 4	m	...
...	5°864	- 15°153	- 1	...	...	...	12°241	+ 29°274	- 5	...	...	...	17°489	+ 53°234	- 5	m	...
...	6°073	- 33°680	- 4	m	...	...	12°308	- 53°147	- 5	m	...	...	17°567	- 4°493	- 5	m	...
871-930																	
771	+ 6°076	+ 21°184	- 4	m	...	...	+ 12°337	- 16°119	1°00	47.8557	9°8	...	+ 17°606	- 4°258	0°90	...	...
...	6°080	+ 23°915	- 2	...	...	...	12°379	+ 43°571	- 5	m	...	...	17°724	- 8°523	- 2	...	...
...	6°122	+ 47°444	0°90	...	...	...	12°436	- 8°593	- 5	m	...	...	17°797	- 52°740	1°00	...	...
...	6°410	+ 27°568	- 5	...	...	...	12°936	+ 49°578	- 3	...	...	...	17°871	- 37°491	- 5	m	...
...	6°424	- 44°876	- 5	m	...	*	13°335	- 21°870	1°10	47.8558	9°8	S *	17°886	- 24°246	1°90	47.8564	9°0
*	+ 6°539	+ 38°488	1°10	46.8955	9°8	...	+ 13°478	- 41°761	- 4	m	...	*	+ 18°156	+ 28°901	2°00	46.8965	8°8
...	6°587	- 59°254	1°20	47.8549	9°8	...	13°499	- 17°478	- 3	...	...	†	18°178	- 5°170	- 5	m	...
...	6°676	- 36°908	- 3	...	...	...	13°557	+ 17°623	- 4	...	...	...	18°258	+ 5°910	- 5	...	...
...	6°710	+ 18°584	0°70	...	...	...	13°670	+ 44°666	- 5	m	...	...	18°369	+ 37°934	- 5	m	...
...	6°916	+ 56°935	0°75	...	...	...	13°816	+ 10°387	- 5	...	...	...	18°452	+ 37°758	0°85	...	...
841-901																	
781	+ 7°192	+ 12°003	- 5	...	...	...	+ 13°924	+ 13°258	0°85	...	...	...	+ 18°495	+ 5°726	- 5	m	...
...	7°193	+ 11°811	- 4	...	...	*	13°960	+ 38°040	2°20	46.8959	8°4	...	18°560	+ 10°517	- 4	...	...
...	7°230	+ 6°723	0°65	...	...	...	14°012	- 50°623	- 5	m	...	...	18°744	+ 10°166	- 5	m	...
...	7°261	- 5°480	- 4	m	...	...	14°030	- 37°966	- 5	m	...	...	18°795	- 48°807	- 5	...	...
...	+ 7°285	+ 42°921	- 5	Mm	...	*	14°047	- 22°116	1°25	47.8559	9°4	*	18°833	+ 18°573	1°00	46.8966	9°5
...	7°286	+ 51°997	- 3	Mm	...	...	+ 14°122	- 18°593	- 5	m	...	...	+ 18°948	+ 15°924	- 5	m	...
...	7°346	- 8°487	1°00	47.8550	9°8	...	14°149	- 2°669	- 5	m	...	...	19°042	- 27°558	1°00	47.8565	9°8
...	7°767	+ 37°978	- 4	...	...	*	14°187	+ 49°674	- 3	...	...	...	19°187	- 9°791	- 5	m	...
...	7°770	- 52°912	- 5	m	...	...	14°235	+ 3°755	1°50	46.8960	9°1	...	19°312	+ 36°134	- 4	...	...
...	7°770	- 52°912	- 5	m	...	...	14°247	- 45°249	- 3	m	...	...	19°377	- 13°986	0°65	...	...
851-911																	
791	+ 7°785	- 13°408	- 5	Mm	...	...	+ 14°307	- 41°414	- 5	m	...	...	+ 19°494	+ 40°694	0°90	...	...
...	7°841	- 5°860	0°65	...	...	...	14°439	- 11°622	- 5	m	...	...	19°519	- 50°140	0°90	...	...
*	7°841	- 11°498	1°30	47.8551	9°3	...	14°445	- 13°792	- 5	m	...	...	19°599	- 6°554	- 5	m	...
*	7°875	+ 59°008	1°20	46.8956	9°6	...	14°482	- 55°340	- 4	m	...	...	19°725	+ 33°677	- 4	...	...
...	8°344	+ 40°768	- 5	m	...	...	14°485	- 43°690	- 5	m	...	...	19°728	- 35°564	0°95	47.8566	9°8
*	+ 8°368	- 35°409	1°20	47.8552	9°3	...	+ 14°511	+ 26°383	- 5	m	...	...	+ 19°761	+ 3°238	0°65	...	...
...	8°441	+ 44°480	- 5	...	...	...	14°520	+ 20°489	- 5	m	...	...	19°840	+ 27°111	- 5	m	...
...	8°552	- 37°701	- 5	m	...	...	14°533	- 38°000	- 4	m	...	...	19°849	- 12°611	- 3	...	...
...	8°685	+ 30°780	0°65	...	...	...	14°629	- 53°469	0°75	...	...	...	20°257	+ 37°976	- 2	...	...
...	8°726	- 56°186	0°90	...	*	...	14°834	+ 55°007	1°50	46.8961	9°2	...	20°471	- 19°456	- 3	m	...
861-921																	
801	+ 8°804	- 46°492	- 4	m	...	...	+ 14°866	+ 4°647	- 4	...	...	...	+ 20°581	+ 56°402	- 1	...	...
*	8°891	- 5°265	1°30	47.8553	9°3	...	14°890	- 30°768	0°65	...	...	...	20°831	+ 38°748	- 5	m	...
...	8°920	+ 37°298	- 2	...	...	...	14°892	- 53°326	- 2	a	...	...	20°845	+ 38°919	- 4	...	...
*	8°969	- 27°320	- 5	m	...	...	14°958	- 9°305	- 4	m	...	...	20°918	+ 37°831	- 5	m	...
*	9°004	- 14°451	1°40	47.8554	9°2	†	15°080	- 3°349	0°90	47.8561	9°8	...	21°155	+ 6°100	1°00	46.8967	9°6
*	+ 9°175	+ 11°210	1°80	46.8957	8°8	†	+ 15°092	- 14°939	1°50	47.8562	9°1	...	+ 21°298	+ 25°967	- 3	...	...
...	9°220	- 19°879	- 5	m	...	...	15°148	+ 24°451	0°90	...	...	...	21°316	- 14°385	- 2	...	...
...	9°241	- 2°460	- 1	...	...	...	15°211	+ 35°218	- 4	...	...	...	21°347	- 35°449	0°80	...	...
...	9°359	- 51°566	- 3	m	...	...	15°306	- 51°676	1°00	...	...	...	21°350	+ 39°951	- 4	...	...
...	9°504	+ 48°965	- 2	...	...	...	15°581	+ 27°898	- 4	...	...	...	21°370	+ 38°800	- 5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
931-990																		
93 ¹	+21°423	-48°207	-4	m	...	99 ¹	+26°375	+55°218	-3	o	...	105 ¹	+31°265	+3°539	-3	o	...	
...	21°491	-47°557	-4	m	...	...	26°496	+25°515	-3	...	...	n	31°284	-13°856	0°95	47.8573	9°8
...	21°549	-7°142	0°70	...	...	...	26°552	-53°576	-5	m	...	...	31°341	-21°559	-3	m	...
...	21°575	+52°432	-5	m	...	...	26°577	+8°268	-5	m	...	n*	31°506	-13°578	1°00	47.8573	9°8
+	21°593	-0°166	1°00	46.8968	9°6	...	26°770	-24°013	-5	m	...	...	31°509	+38°472	0°90	...	...
...	+21°653	+40°279	-5	m	...	...	+26°776	-56°632	-2	m	...	...	+31°542	-20°849	-5	m	...
...	21°801	-53°669	-1	...	...	...	26°779	-47°560	-4	m	...	...	31°793	-44°647	-3	m	...
...	21°822	-48°097	-4	m	...	...	26°831	+17°650	-4	...	...	*	31°870	+47°693	2°00	46.8977	9°0
...	21°853	+18°540	-5	m	...	...	27°081	+28°444	0°70	...	...	*	32°142	-28°373	1°00	47.8575	9°8
...	21°918	+27°596	-4	m	...	...	27°315	+42°941	-5	m	...	*	32°214	-1°324	1°05	47.8574	9°6
94 ¹	+21°993	+26°863	-5	m	...	100 ¹	+27°470	-22°276	-5	m	...	...	+32°452	-55°105	-1	b	...
...	22°055	+35°421	0°90	...	...	...	27°496	+53°960	1°00	46.8975	10°1	...	32°602	-29°272	0°70	...	...
...	22°112	+22°553	-5	...	...	*	27°496	+32°371	1°00	46.8974	9°8	...	32°677	-17°840	0°85	...	...
...	22°424	-58°643	1°00	47.8567	10°2	...	27°559	+30°169	-4	m	...	...	32°729	+49°987	-5	m	...
...	22°446	+33°432	-5	m	...	...	27°952	-20°370	-3	m	...	...	32°770	+39°087	-5	m	...
...	+22°514	+39°018	-5	m	...	...	+28°004	+51°633	-4	...	...	*	+32°810	-15°926	1°15	47.8576	9°8
...	22°536	+45°540	-5	m	...	†	28°015	+34°721	-5	m	...	...	32°852	+46°487	-5	m	...
...	22°559	+0°107	-3	m	...	...	28°095	-12°563	-4	m	...	...	32°972	+47°571	-1	...	...
...	22°587	+51°759	-5	m	...	*	28°160	+44°656	1°10	46.8976	10°0	...	33°055	-36°319	-2	a	...	
...	22°891	+28°932	-4	...	...	...	28°224	-26°716	-3	m	...	*	33°089	+42°115	1°20	46.8978	9°8
95 ¹	+23°120	-37°225	-5	m	...	101 ¹	+28°242	+28°974	-5	m	...	...	+33°384	-45°853	-4	m	...
...	23°138	+5°813	-2	...	...	...	28°262	+52°977	-1	...	...	...	33°682	-37°990	0°70	...	...
...	23°143	+46°432	-5	m	...	...	28°332	+22°146	-3	...	...	...	33°781	-34°035	0°90	...	...
...	23°167	-25°465	-5	m	...	...	28°358	+10°427	-2	...	...	*	33°817	+13°632	1°20	46.8979	9°4
...	23°173	-50°403	-5	m	...	...	28°432	-7°791	-5	m	...	...	33°874	+29°696	-5	m	...
...	+23°245	+10°402	1°00	46.8969	9°8	...	+28°494	-17°843	-4	m	...	*	+33°935	-38°715	1°00	47.8578	9°8	
*	23°266	-32°275	1°30	47.8568	9°3	...	28°545	-48°760	-5	m	...	*	33°995	-23°890	1°05	47.8577	9°8	
...	23°302	+37°607	-4	...	...	...	28°591	+0°356	-5	m	...	...	34°123	-19°254	-2	a	...
...	23°334	+34°885	-4	...	...	...	28°705	+5°489	-4	m	...	*	34°195	+31°934	1°20	46.8980	9°6
...	23°442	+5°350	1°00	46.8970	9°8	...	28°721	-51°806	-5	m	...	...	34°430	+12°336	-5	...	...
96 ¹	+23°496	-9°175	-4	m	...	102 ¹	+28°785	+42°564	-5	m	...	...	+34°448	+0°504	0°85	...	...
...	23°582	+54°317	-4	...	...	...	28°823	+27°240	-1	...	...	*	34°471	-42°933	0°95	...	...
...	24°052	-48°258	-4	m	...	...	28°832	+9°713	-5	...	...	*	34°561	+50°695	1°00	46.8981	10°0
...	24°079	+51°869	-1	...	...	...	28°849	+41°878	-4	...	...	...	34°819	-13°702	-4	m	...
+	24°155	+39°734	0°95	...	...	...	28°876	+31°034	-4	m	...	†	34°986	-25°929	-4	m	...
n	+24°262	-38°711	0°90	47.8569	9°6	...	+28°879	+11°419	-4	...	...	...	+35°317	+29°860	0°65	46.8982	10°1
...	24°296	-56°709	-1	b	...	...	28°891	+51°478	-4	m	...	*	35°368	+20°717	1°00	46.8983	10°1
...	24°338	-0°356	-5	m	...	...	28°968	+30°547	-3	m	...	...	35°412	+40°411	-4	m	...
n*	24°457	-47°846	-5	m	...	...	29°229	-19°342	-2	...	...	...	35°443	-37°425	-5	m	...
...	24°539	-38°891	1°00	47.8569	9°6	...	29°376	-32°536	0°75	...	...	...	35°530	+21°251	-4	...	...
97 ¹	+24°611	+15°927	-5	103 ¹	S *	+29°392	-57°632	2°60	47.8570	8°1	...	+35°603	+27°054	-3
...	24°684	+30°746	-4	m	...	...	29°591	+14°052	-4	...	...	...	35°624	+2°258	0°70	...	...
...	24°693	-23°577	-5	m	...	...	29°638	+44°838	-3	...	...	*	35°747	+51°139	1°35	46.8984	9°5
+	24°831	-44°983	-5	m	...	...	29°711	+55°415	-3	...	...	...	35°752	-15°394	-4	m	...
...	24°879	+48°908	1°00	46.8971	9°8	†	29°726	-15°107	-4	m	...	...	35°784	-50°568	0°65	...	...
...	+24°891	+46°400	1°00	...	...	...	+29°751	-35°310	-5	m	...	...	+35°845	-11°993	-4	m	...
...	24°891	-20°520	-4	m	...	...	29°860	-57°317	-4	m	...	...	36°080	-30°605	-3	m	...
†	24°901	-19°120	-5	m	...	...	30°028	-47°081	-5	m	...	...	36°104	+12°759	0°95	...	...
...	25°185	-18°734	-3	m	...	...	30°034	-17°635	-4	m	...	...	36°188	+47°713	-4	...	...
...	25°195	-26°273	-5	m	...	...	30°153	+6°463	-2	...	...	...	36°191	-26°396	-3	m	...
98 ¹	+25°240	+53°783	-5	m	...	104 ¹	*	+30°185	-39°575	1°00	47.8572	9°6	...	+36°252	+11°147	-3
...	25°269	+40°780	0°95	...	...	...	30°192	-0°986	0°75	...	...	...	36°280	-52°720	-5	m	...
...	25°642	+35°515	-4	m	...	*	30°249	-29°396	1°00	47.8571	9°6	...	36°287	-34°496	-5	m	...	
...	25°688	-47°559	0°70	...	...	...	30°300	+32°417	-5	m	...	...	36°403	+28°125	-4	...	...
...	25°738	-36°144	1°00	...	...	...	30°462	-27°096	-2	...	...	...	36°415	-45°737	1°00	47.8580	9°8
...	+26°080	+16°683	-5	...	...	...	+31°010	-21°086	-4	m	...	...	+36°544	+31°987	-2	...	...
*	26°105	+21°781	1°00	46.8972	9°8	...	31°031	+53°800	1°00	...	...	...	36°677	-9°531	0°65	...	...
...	26°116	-38°869	-5	m	...	...	31°093	+3°066	0°90	...	...	...	36°908	-29°327	-4	m	...
*	26°194	+8°267	1°00	46.8973	9°8	...	31°109	+49°464	-4	m	...	...	36°968	+8°932	-5	m	...
...	26°287	+52°671	1°00	...	...	...	31°236	-7°321	-5	m	...	...	37°028	+1°411	-3	...	...

966, 970. C.P.D., probably mass.
1052, 1054. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
1111-1170																	
1111	+37°051	-33°491	-5	°m	...	1171	+42°012	+41°517	-5	°m	...	1231	+47°401	-45°552	0°80	°e	...
...	37°119	-46°174	-5	m	...	...	42°045	+43°008	1°00	...	...	...	47°421	+33°564	-5	e	...
†	37°367	+54°755	0°80	...	...	...	42°118	-0°567	0°90	...	...	...	47°471	+24°953	-4	e	...
...	37°544	+20°392	-5	m	...	...	42°197	+30°066	0°80	...	...	...	47°625	+55°657	-1	...	...
...	37°566	-48°714	1°05	47.8581	10°1	...	42°208	+24°670	0°90	...	...	...	47°634	+56°991	-5	...	...
...	+37°594	-28°121	0°80	...	...	...	+42°229	+10°963	-5	...	...	...	+47°689	-9°727	-3	e	...
...	37°683	-36°605	-5	m	...	...	42°232	+50°628	-5	...	...	...	47°699	-20°244	-3	e	...
...	37°742	-9°066	-2	...	...	...	42°251	-3°108	-4	m	...	...	47°767	+51°846	-5	m	...
...	37°783	+10°496	-4	...	...	...	42°386	-28°394	0°90	...	...	...	48°008	+18°766	-5	e	...
...	38°006	-52°925	-1	...	...	...	42°398	-19°746	-4	e	...	...	48°010	+41°420	-1	...	...
1121	* +38°028	-2°064	1°00	47.8582	10°1	...	+42°418	+22°936	0°80	...	...	...	+48°033	+38°010	-5	e	...
*	38°073	+38°864	1°20	46.8985	9°6	...	42°788	+37°515	1°00	...	...	...	48°100	-6°163	-4	e	...
...	38°124	+2°168	-5	m	...	...	42°954	+16°089	-5	...	...	...	48°148	+59°242	-4	...	...
*	38°305	-4°922	1°20	47.8583	9°6	...	43°116	-36°859	0°90	...	...	...	48°176	+36°226	-3	...	...
*	38°330	+41°657	1°20	46.8986	9°5	...	43°241	-20°770	-4	e	...	...	48°275	+44°181	-5	e	...
S *	+38°464	+18°735	3°70	46.8987	7°4	...	+43°256	-22°018	-4	e	...	...	+48°360	+34°152	0°65	...	...
...	38°591	+21°937	-4	m	...	...	43°267	-9°554	-3	e	...	*	48°366	+18°048	1°15	46.8994	10°1
...	38°608	-4°719	-5	m	...	...	43°318	+44°093	-1	...	...	*	48°469	-3°763	1°20	47.8590	10°0
...	38°644	+16°000	-4	...	...	*	43°482	+18°113	1°10	46.8992	9°6	*	48°506	-18°706	1°10	47.8592	10°1
...	38°802	+9°154	-5	...	...	...	43°661	-38°151	-3	e	...	*	48°594	-59°038	1°40	47.8593	9°4
1131	+38°816	+29°570	-3	...	...	...	+43°698	-30°573	-5	e	...	*	+48°646	-5°716	1°25	47.8591	9°6
...	38°868	-14°540	-3	m	...	...	43°792	-1°061	-2	e	...	...	48°648	+26°180	-4	...	...
...	38°908	-22°400	-3	...	...	...	43°809	+3°813	-2	...	...	...	48°923	-1°790	-2	e	...
...	38°970	+20°181	0°90	...	...	...	43°858	+2°190	0°80	...	...	...	48°962	-13°652	-3	e	...
...	39°003	-22°259	-4	m	...	...	43°921	+36°637	-5	e	...	*	49°028	+4°022	1°30	46.8996	9°8
...	+39°040	+21°615	-2	...	...	...	+43°954	+2°152	-4	e	...	...	+49°112	-32°228	0°75	e	...
...	39°187	-23°490	-4	m	...	...	44°045	-37°203	-3	e	...	...	49°139	-39°804	0°90	e	...
*	39°209	-24°458	1°00	47.8584	10°1	...	44°145	+10°255	-3	...	...	...	49°241	-37°059	-5	e	...
...	39°266	+36°673	0°80	...	...	...	44°169	-40°944	-5	e	...	*	49°359	+53°450	2°50	46.8995	8°6
*	39°267	-26°256	2°20	47.8585	8°5	...	44°254	+5°214	-3	...	...	...	49°384	-27°503	-5	e	...
1141	+39°318	-11°388	-4	m	...	...	+44°481	-22°595	-2	...	...	...	+49°439	-54°177	-3	e	...
...	39°323	-55°290	0°65	...	...	...	44°650	-39°436	-5	e	...	...	49°499	+44°184	-3	...	...
*	39°409	+51°058	1°60	46.8988	9°0	...	44°737	+31°448	-5	e	...	...	49°538	-19°666	-5	e	...
...	39°588	+12°156	-3	...	...	...	44°867	+10°996	0°65	...	...	*	49°539	-26°649	1°40	47.8594	9°4
...	39°597	+20°343	-4	...	...	...	45°054	+21°045	-3	...	...	...	49°706	+9°597	-4	e	...
...	+39°628	+53°614	-5	...	...	...	+45°400	+28°791	-4	...	...	...	+49°707	+7°743	0°90	...	...
†	39°898	+37°223	0°95	...	...	...	45°567	+26°536	-3	...	...	...	49°739	-51°663	-3	e	...
...	40°101	-53°086	0°90	...	...	...	45°600	-57°018	-4	m	...	...	49°823	+12°767	-5	...	...
†	40°445	+34°750	1°30	46.8989	9°6	...	45°802	-40°099	-5	e	...	...	49°825	-0°997	-5	e	...
...	40°454	+33°973	-4	m	...	...	45°967	+37°302	-4	...	...	†	49°958	+31°314	-1	...	...
1151	+40°542	+7°255	-5	m	...	*	+46°110	-8°932	1°15	47.8589	10°0	...	+50°078	-57°424	0°65	e	...
...	40°560	-54°230	-5	m	...	...	46°234	-0°280	-4	e	...	...	50°082	-36°744	-5	e	...
...	40°671	+26°456	-4	...	...	...	46°265	+11°949	-5	c	...	...	50°115	+31°653	-5	e	...
*	40°741	+20°831	1°30	46.8990	9°6	...	46°386	+24°512	-5	e	...	*	50°368	+19°568	1°10	46.8997	10°0
...	40°902	-5°786	-5	m	...	...	46°428	-51°875	-3	e	...	...	50°487	-30°156	-1	e	...
...	+41°077	+9°280	0°70	...	...	...	+46°489	-24°907	-4	e	...	...	+50°654	-17°361	0°85	...	...
...	41°119	-29°904	-5	m	...	...	46°523	+20°416	0°65	...	...	...	50°671	-53°560	1°05	...	...
...	41°179	-30°962	0°90	...	...	...	46°534	+40°270	0°90	...	...	...	50°693	-25°520	-5	e	...
...	41°232	+31°864	-4	...	...	...	46°545	-40°659	-4	e	...	...	50°717	-32°189	-2	e	...
*	41°261	-22°250	1°15	47.8587	9°6	...	46°592	-1°885	-3	e	...	...	50°853	-5°594	-3	e	...
1161	+41°333	-20°319	-2	b	...	...	+46°766	-31°573	-4	e	...	...	+50°920	-23°740	-5	e	...
...	41°567	-16°273	-5	m	...	...	46°835	+41°693	-5	e	...	...	50°991	-27°781	-3	e	...
...	41°567	-44°623	-5	e	...	...	46°992	-58°506	-3	e	...	...	51°209	-38°763	1°00	...	...
*	41°650	+1°350	1°10	46.8991	9°8	...	47°003	-31°070	-3	e	...	...	51°245	+10°881	-3	...	...
...	41°681	-29°647	-2	b	...	...	47°046	+44°237	-3	...	...	...	51°268	-34°819	-5	e	...
...	+41°682	-57°828	-5	e	...	...	+47°158	-21°279	-4	e	...	...	+51°358	+56°680	-4	e	...
...	41°779	+31°271	1°00	...	...	...	47°194	-34°315	-5	e	...	...	51°416	+50°317	-4	...	...
*	41°836	-39°224	1°00	47.8588	10°1	...	47°211	+53°981	1°00	46.8993	9°8	...	51°661	+45°849	-3	...	...
...	41°865	+40°419	-5	m	...	...	47°311	+54°156	1°20	...	...	+	51°725	-20°166	1°20	47.8595	9°6
...	41°945	+3°966	0°75	...	...	...	47°356	+30°681	-1	...	...	+	51°827	-30°082	-4	e	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
1291-1320																	
1291	+51° 863	-40° 390	-5	° e	...	1321	+54° 602	-22° 779	1° 70	47° 8598	9° 0	1351	+57° 428	-50° 477	-5	° e	...
*	51° 874	-47° 890	1° 20	47.8596	9° 6		54° 746	-34° 643	-5	e	...		57° 768	+5° 802	-5	e	...
...	52° 059	+5° 966	-4	...	...		54° 835	+11° 375	-3	...	...		57° 832	-14° 998	-4	e	...
...	52° 094	+51° 430	0° 95	...	...		54° 996	+12° 177	-1	...	...		58° 288	-38° 032	-5	e	...
*	52° 158	+40° 787	2° 00	46.8998	8° 7		55° 368	+11° 011	-5	e	...		58° 339	+9° 136	-1	...	...
...	+52° 259	-57° 583	-4	e	...	*	+55° 451	-22° 104	1° 05	47.8599	10° 0		+58° 417	+36° 132	-5	e	...
*	52° 288	+27° 972	1° 00	46.8999	10° 1		55° 459	-4° 522	0° 85	...	...		58° 420	-8° 129	-3	e	...
...	52° 349	+30° 534	-5	e	...		55° 713	+2° 711	0° 85	...	...		58° 676	+29° 425	-3	...	...
*	52° 445	+36° 693	1° 50	46.9000	9° 0	*	55° 774	-27° 530	1° 40	47.8600	9° 5		58° 751	+15° 839	-1	...	...
...	52° 453	+21° 856	-5	e	...	*	55° 806	+14° 258	1° 20	46.9004	9° 8		58° 885	+36° 103	-3	...	...
1321-1350																	
1301	+52° 546	-34° 448	-5	e	...	1331	+55° 887	-32° 058	1° 05	47.8601	10° 1	1361	+58° 902	+27° 425	1° 20	46.9009	9° 6
...	52° 831	-3° 554	-5	e	...		56° 056	-45° 477	-3	e	...		58° 907	+48° 393	1° 50	46.9008	9° 3
*	53° 224	+47° 682	1° 60	46.9001	9° 2		56° 060	+8° 232	-2	...	...		58° 918	+8° 331	-5	...	...
...	53° 273	-48° 768	-5	e	...		56° 159	-44° 938	0° 70	e	...		59° 002	-0° 618	-3	e	...
...	53° 368	-13° 033	-3	e	...		56° 182	-43° 122	-1	e	...		59° 103	+28° 320	-5	e	...
+	53° 375	+0° 370	-3	...	...		+56° 297	+45° 681	-1	...	...		+59° 211	+18° 984	-1	...	...
*	53° 413	+18° 582	1° 20	46.9002	9° 6		56° 646	+57° 707	-5	e	...		59° 230	+43° 466	1° 60	46.9010	9° 3
...	53° 590	-57° 329	-2	...	...		56° 692	-27° 787	-3	e	...		59° 584	+41° 598	-4	e	...
...	53° 658	-24° 707	0° 80	...	...		56° 695	+15° 022	-3	...	...		59° 607	-7° 785	-4	e	...
...	53° 696	-20° 184	0° 90	...	*		56° 721	+49° 172	1° 25	46.9005	9° 6		59° 841	+37° 446	-1	...	...
1341-1370																	
1311	+53° 765	+15° 703	1° 20	46.9003	9° 5	*	+56° 725	+42° 833	1° 30	46.9006	9° 6						
...	53° 804	+9° 022	-4	e	...		56° 745	+3° 306	-4	e	...						
...	54° 122	+20° 250	-3	...	...		56° 837	-11° 390	-3	e	...						
...	54° 187	-24° 086	-5	e	...		56° 848	+1° 215	-4	...	...				
...	54° 264	+27° 072	0° 80	...	...		56° 917	-25° 614	-4	e	...						
+	54° 310	-12° 572	0° 75	...	...		+56° 956	-23° 685	-1	e	...						
...	54° 385	-1° 214	-4	e	...		56° 992	+6° 187	0° 85	46.9007	10° 1						
...	54° 436	-31° 783	1° 00	47.8597	10° 1		57° 017	-10° 680	-5	m	...						
...	54° 519	+20° 198	-4	e	...		57° 059	+56° 896	-5	e	...						
...	54° 536	-41° 559	0° 90	...	...		57° 110	+14° 254	0° 65	...	...				

1-20					21-40					41-60								
I	-59° 566	+36° 404	-5	° E	...	21	-58° 390	+31° 896	-5	° M	...	41	-57° 002	+37° 879	-5	° M	...	
*	59° 425	+17° 860	1° 10	46.8992	9° 6		58° 371	-12° 909	-5	M	...		56° 862	+41° 719	-5	M	...	
†	59° 341	-44° 922	-4	E	...		58° 364	-22° 249	-4	E	...		56° 834	-41° 148	-5	E	...	
...	59° 311	-20° 004	-4	E	...		58° 246	+5° 005	-2	...	...		n	56° 830	+53° 852	1° 00	46.8993	9° 8
*	59° 234	-39° 504	1° 00	47.8588	10° 1		58° 021	-37° 094	0° 95	...	...			56° 818	+41° 549	-5	E	...
...	-59° 202	+2° 597	-5	M	...		-57° 942	+20° 846	-2	...	...			-56° 796	-11° 782	-5	M	...
...	59° 095	+30° 968	-5	M	...		57° 853	+28° 593	-3	...	...		n*	56° 739	+54° 021	1° 25	46.8993	9° 8
...	59° 037	+21° 954	-5	M	...		57° 795	+10° 796	0° 90	...	...			56° 722	+24° 353	-4	E	...
...	59° 019	-28° 655	0° 90	...	...		57° 789	-35° 609	-5	M	...			56° 687	+44° 099	-4	...	...
...	58° 810	-58° 112	-4	E	...		57° 630	-30° 793	-5	E	...			56° 591	-31° 496	-5	M	...
II	-58° 793	+19° 560	-5	M	...	31	-57° 625	-2° 504	-5	M	...	51	-56° 505	-21° 183	-4	M	...	
...	58° 747	-9° 792	-4	E	...		57° 612	+26° 355	-4	...	...			56° 503	+56° 865	-4	...	...
...	58° 711	+37° 477	-5	M	...		57° 546	+37° 132	-3	...	...			56° 489	+55° 538	-2	...	...
...	58° 625	+3° 579	-2	...	...		57° 433	-38° 366	-4	E	...			56° 452	+20° 262	0° 90	...	...
...	58° 580	+31° 241	-5	E	...		57° 329	+41° 655	-5	M	...			56° 438	+11° 788	-4	E	...
...	-58° 529	+1° 963	0° 90	...	...		-57° 102	-22° 788	0° 90	...	...			-56° 415	-39° 628	-5	E	...
...	58° 510	+10° 031	-4	...	...		57° 097	+20° 301	-5	M	...			56° 310	+40° 921	-5	M	...
...	58° 496	-1° 289	-2	E	...		57° 082	-37° 411	-4	E	...			56° 244	-17° 482	-5	M	...
...	58° 426	+1° 932	-5	E	...		57° 077	-5° 714	-5	M	...			56° 077	-0° 422	-4	E	...
...	58° 409	-21° 004	-4	E	...		57° 074	+40° 119	-1	...	...			56° 077	+59° 142	-4	...	...

L measured from 1, 195, 364, 538, 685, 808, 935, 1036, 1162, 1297, 1449, 1604.
C " 87, 286, 450, 615, 751, 873, 977, 1094, 1236, 1376, 1529, 1704.

44. 47. C.P.D., mass.

Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
61-120																		
61	-56·026	+27·320	-5	M	...	121	-52·924	-13·713	-2	E	...	181	-50·451	-27·766	-3	E	...	
...	55·968	+33·436	-4	E	...	...	52·913	+12·730	-4	...	...	...	50·417	-40·893	-5	M	...
...	55·943	+26·272	-5	M	...	...	52·911	+9·560	-3	E	...	...	50·411	-57·430	0·65	E	...
...	55·942	+30·557	-2	...	...	...	52·861	+7·698	0·80	...	...	...	50·374	-30·019	-4	M	...
*	55·924	-9·078	1·05	47.8589	10·0	...	52·800	-7·321	-4	M	...	...	50·328	+26·431	-4	M	...
...	-55·835	+11·486	-5	M	...	...	52·789	+16·873	-5	M	...	...	-50·306	+32·971	-5	M	...
...	55·661	-2·014	-3	E	...	...	52·771	+56·685	-5	E	...	...	49·956	-53·548	0·95	...	...
...	55·652	+24·818	-4	E	...	*	52·583	+19·542	1·00	46.8997	10·0	*	49·944	-20·129	1·25	47.8595	9·6	
...	55·647	+14·693	-5	M	...	...	52·525	-33·773	-5	M	...	...	49·940	+54·412	-5	M	...
...	55·626	+41·298	-1	...	...	...	52·507	+50·310	-5	...	...	...	49·933	-34·795	-4	E	...
71	-55·575	+24·887	-5	M	...	131	-52·465	-1·026	-4	E	...	191	-49·884	-8·737	-5	M	...	
...	55·501	+37·892	-5	E	...	...	52·457	+3·913	-5	M	...	*	49·875	-38·729	1·00	...	...
...	55·476	+16·966	-5	M	...	...	52·440	+33·943	-5	M	...	...	49·795	+27·832	-5	M	...
...	55·465	-50·971	-5	M	...	...	52·420	-54·066	-5	M	...	...	49·775	+42·774	-5	M	...
...	55·452	+44·072	-5	E	...	†	52·278	-44·882	-5	M	...	...	49·605	-4·282	-5	M	...
...	-55·348	+48·582	-5	M	...	...	52·183	-32·271	0·75	E	...	...	-49·605	-8·086	-5	M	...
†	55·301	+36·122	-4	...	...	...	52·153	-19·705	-5	M	...	...	49·569	+54·042	-5	M	...
...	55·273	+34·650	-5	M	...	...	52·129	+41·161	-5	E	...	...	49·549	-30·035	-4	E	...
...	55·230	-40·244	-5	E	...	...	52·122	+45·852	-3	...	...	*	49·500	+18·648	1·20	46.9002	9·6
†	55·114	-19·877	-5	M	...	...	52·068	-12·050	-5	M	...	...	49·388	-3·494	-5	E	...
81	-55·076	-16·779	-5	M	...	141	-52·059	-27·541	-4	E	...	201	-49·380	-9·060	-5	M	...	
...	55·042	-25·035	-2	E	...	*	51·940	-26·680	1·35	47.8594	9·4	...	49·168	-40·343	-4	E	...	
...	55·038	+34·052	0·90	...	...	†	51·923	-39·823	0·90	E	...	...	49·166	+35·422	-5	M	...
...	54·908	+18·664	-5	E	...	...	51·901	-37·102	-4	E	...	...	49·148	+29·847	-4	M	...
...	54·891	-57·675	-4	M	...	...	51·872	+51·452	0·90	...	...	*	49·064	+15·777	1·30	46.9003	9·5
†	-54·668	+53·392	2·10	46.8995	8·6	*	51·864	-59·105	1·40	47.8593	9·4	...	-49·014	+42·724	-5	M	...	
...	54·576	-31·687	-4	E	...	...	51·748	+3·504	-5	M	...	...	48·972	+0·450	0·70	...	...
...	54·539	-2·007	-5	M	...	*	51·470	+40·814	2·00	46.8998	8·7	...	48·932	+27·160	0·95	...	...
*	54·532	+17·959	1·05	46.8994	10·1	...	51·435	+10·883	-3	...	...	*	48·921	-47·848	1·15	47.8596	9·6
...	54·505	+26·092	-3	...	...	...	51·431	+31·838	-5	M	...	...	48·861	+20·339	0·70	...	...
91	-54·492	-40·781	-4	E	...	151	-51·301	-7·215	-5	M	...	211	-48·813	+9·113	-2	E	...	
...	54·487	-21·386	-4	E	...	...	51·284	-5·588	-3	E	...	...	48·675	-34·380	-4	E	...
...	54·470	-8·309	-5	M	...	...	51·254	-6·445	-5	M	...	...	48·651	+51·876	-5	M	...
...	54·357	+10·440	-5	M	...	...	51·231	+48·162	-5	M	...	...	48·585	-38·876	-5	M	...
...	54·339	-31·176	0·65	E	...	...	51·153	-54·213	-3	E	...	...	48·570	-54·776	-5	M	...
...	-54·325	-9·836	-2	E	...	...	51·130	-17·363	0·90	...	...	...	-48·545	-12·941	-1	E	...
...	54·245	-51·996	-1	E	...	...	51·081	-13·140	-5	M	...	...	48·519	-26·898	-5	M	...
...	54·231	+44·115	-3	...	...	...	51·066	-36·749	-4	E	...	...	48·459	-7·369	-5	M	...
...	54·193	+40·278	-5	M	...	...	51·064	+34·012	-5	M	...	...	48·452	+20·304	-2	E	...
†	54·153	-9·903	-5	M	...	...	51·059	+27·501	-5	M	...	...	48·266	-52·332	-5	M	...
101	-54·051	-0·763	-5	M	...	161	-51·050	+36·725	1·50	46.9000	9·0	221	-48·236	-2·421	-5	M	...	
...	54·035	-34·427	-5	E	...	...	50·968	-13·260	-5	M	...	...	48·226	-57·520	-4	E	...
...	54·017	-6·243	-3	E	...	...	50·956	+3·076	-5	M	...	*	47·992	-20·090	0·95	...	...
...	53·983	-20·336	-1	E	...	...	50·941	+30·569	-4	E	...	...	47·894	-1·102	-4	E	...
*	53·739	-3·834	1·15	47.8590	10·0	...	50·941	-51·687	-3	E	...	...	47·886	-24·611	0·85	...	...
...	-53·616	+6·758	-4	M	...	...	50·935	+20·412	-4	M	...	...	-47·874	+11·492	0·65	...	...
...	53·514	+8·582	-5	M	...	*	50·931	+28·004	1·00	46.8999	10·1	...	47·806	-38·222	-5	M	...	
*	53·500	-5·792	1·30	47.8591	9·6	...	50·905	+18·563	-5	M	...	...	47·726	+12·305	0·80	...	...
...	53·476	-58·616	-3	E	...	...	50·880	-32·557	-5	M	...	...	47·620	-12·463	0·90	...	...
...	53·462	-45·640	0·80	E	...	*	50·877	-30·149	0·80	E	...	...	47·592	+17·282	-5	M	...
111	*	-53·422	+3·961	1·20	46.8996	9·8	171	-50·818	-25·518	-4	E	...	231	-47·578	+17·193	-5	M	...
...	53·372	+31·264	0·75	...	...	...	50·817	+2·147	-5	M	...	...	47·524	+57·860	-4	E	...
...	53·371	+3·482	-5	M	...	...	50·701	-16·640	-5	M	...	...	47·520	+40·735	-5	M	...
...	53·353	-1·852	-1	E	...	...	50·678	-3·343	-5	M	...	...	47·494	-48·687	-5	E	...
...	53·281	+29·763	-5	M	...	...	50·635	-23·722	-5	E	...	...	47·488	+45·838	-1	...	...
...	-53·259	+1·081	-5	M	...	*	50·623	+47·733	1·50	46.9001	9·2	...	-47·378	-23·973	-4	E	...	
*	53·218	-18·774	1·05	47.8592	10·1	...	50·593	-32·180	0·70	E	...	...	47·325	+11·147	-4	E	...
...	53·217	+31·618	-3	E	...	...	50·586	-15·069	-5	M	...	...	47·245	+37·142	-5	M	...
...	53·167	+43·274	-5	M	...	...	50·577	+21·897	-4	E	...	...	47·239	+26·948	-5	M	...
...	53·052	+6·739	-5	M	...	...	50·464	+6·000	-3	...	...	*	47·178	+49·323	1·20	46.9005	9·6

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.	x.	y.	o·65	No.	Mag.	x.	y.	o·65	No.	Mag.	x.	y.	o·65	No.	Mag.	
241-300																					
241	-47·166	-26·129	-5	° M	...	301	-43·660	-7·874	-3	° E	...	361	-39·922	-43·991	-5	° M	...	...	...
...	47·164	+37·065	-5	M	...	...	43·647	-57·729	-5	M	...	...	39·839	+38·187	-5	M	...	...	...
...	47·073	+57·071	-4	E	...	...	43·473	-8·311	-5	M	...	...	39·748	+13·725	-5	...	...	...	...
S*	46·986	-22·657	1·60	47.8598	9·0	...	43·464	-37·636	-5	M	...	...	39·581	-38·933	-4	M	...	...	...
*	46·982	+14·405	1·05	46.9004	9·8	...	43·376	-11·194	-5	M	...	...	39·515	+1·929	-5	M	...	...	...
*	-46·980	+42·988	1·20	46.9006	9·6	...	-43·360	+35·083	-5	M	...	...	-39·512	+23·238	-4	M	...	...	...
...	46·918	-57·215	-1	...	...	...	43·321	+46·275	0·85	...	...	...	39·431	-29·230	0·65	...	...	...	...
*	46·890	-31·649	0·95	47.8597	10·1	...	43·321	-0·355	-3	E	...	...	39·251	+26·034	-5	M	...	...	...
...	46·826	-22·731	-5	M	...	...	43·316	+5·696	-5	M	...	...	39·224	-37·578	-5	M	...	...	...
...	46·723	-4·381	0·95	...	...	...	43·299	-8·028	-5	M	...	...	39·198	+55·173	-4	M	...	...	...
251	* -46·722	+2·868	0·90	...	...	311	-43·288	-50·252	-3	E	...	371	-39·190	+27·106	-3	...	...	...	...
...	46·701	-20·958	-5	M	...	...	43·166	+11·673	-5	M	...	...	39·094	-59·018	-4	M	...	...	...
...	46·675	+9·863	-5	M	...	...	43·028	+51·895	-5	M	...	...	39·039	+23·191	0·90	...	...	...	...
...	46·542	+8·400	0·70	...	...	...	42·994	+51·627	-5	M	...	...	39·005	+45·636	-4	M	...	...	...
...	46·482	-34·506	-5	E	...	...	42·827	-37·783	-4	E	...	...	38·923	+42·630	-5	M	...	...	...
...	-46·467	-41·430	-2	...	...	...	-42·688	-38·406	-4	M	...	...	-38·888	+57·399	-5	M	...	...	...
...	46·265	+59·535	-5	M	...	...	42·547	+6·629	-1	...	...	...	38·885	-46·359	1·00	47.8605	10·0	...	...
*	46·171	-21·943	1·00	47.8599	10·0	*	42·475	+56·891	1·10	46.9011	10·1	...	38·858	-18·726	-1	...	...	...	...
...	46·136	-56·032	-5	M	...	...	42·467	-7·500	-5	E	...	...	38·829	+48·049	-4	M	...	...	...
...	46·130	+55·192	-4	M	...	...	42·307	+37·387	-5	M	...	...	38·729	+26·476	-3	...	...	...	...
261	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...	...	...
...	-46·111	+15·197	-3	...	...	...	-42·202	+27·740	-5	M	...	...	-38·728	-25·135	-5	M	...	...	...
...	46·097	+32·959	-5	M	...	...	42·194	-49·083	-5	M	...	S*	38·726	+42·429	1·90	46.9015	8·8	...	...
...	45·975	+17·255	-5	M	...	...	42·071	+49·481	-3	M	...	...	38·685	+22·107	-4	...	...	...	...
...	45·878	+38·781	-5	M	...	...	42·051	+18·970	-5	M	...	...	38·628	-9·618	-5	M	...	...	...
...	45·827	+17·678	-5	M	...	...	41·878	-16·153	-1	...	...	...	38·595	-25·868	-5	M	...	...	...
...	-45·688	+3·503	-4	E	...	...	-41·874	-34·736	-5	M	...	...	-38·562	+10·152	0·90	...	...	...	...
...	45·678	+14·440	0·80	...	*	...	41·834	-6·113	1·05	...	...	...	38·426	+6·254	1·15	46.9014	9·6	...	...
...	45·667	-30·699	-5	M	...	...	41·793	+11·204	-5	M	...	...	38·380	-51·850	-5	M	...	...	...
*	45·664	-27·356	1·30	47.8600	9·5	...	41·752	+21·732	-5	M	...	...	38·311	+46·775	1·00	46.9017	10·0	...	...
*	45·538	+6·384	1·00	46.9007	10·1	...	41·635	+9·855	-3	...	...	...	38·289	+24·279	-5	M	...	...	...
271	...	...	...	...	...	331	...	...	...	...	...	391	...	...	...	...	...	...	...
...	-45·528	+1·403	-3	...	...	...	-41·632	+40·220	-2	A	...	...	-38·174	+48·976	-5	M	...	...	...
*	45·421	-31·883	1·00	47.8601	10·1	...	41·510	-11·117	-5	M	...	...	38·153	+6·487	-5	M	...	...	...
...	45·349	-53·843	-5	M	...	*	41·391	-11·132	1·30	47.8603	9·4	...	38·044	+27·106	1·00	...	...	...	...
...	45·281	+28·208	-5	M	...	...	41·350	-12·078	-3	M	...	...	37·914	+12·155	1·25	46.9016	9·4	...	...
...	45·225	+26·167	-5	M	...	...	41·327	+18·934	-5	M	...	...	37·896	-55·912	-4	M	...	...	...
...	-45·193	+19·115	-5	M	...	...	-41·267	+12·611	-4	M	...	...	-37·806	+19·066	-5	M	...	...	...
...	45·127	-11·193	0·90	E	...	...	41·188	-37·203	-4	M	...	...	37·713	+47·562	-3	...	...	...	...
...	45·071	+36·353	-4	E	...	...	41·111	+12·510	-4	M	...	...	37·599	-23·559	1·00	47.8606	10·1	...	...
*	44·974	+48·615	1·80	46.9008	9·3	†	41·097	+14·959	-5	M	...	...	37·513	+20·987	-5	M	...	...	...
...	44·932	-14·682	-5	M	...	...	41·048	-5·791	-1	A	...	...	37·449	+6·243	1·00	46.9018	10·0	...	...
281	...	...	...	...	...	341	...	...	...	...	...	401	...	...	...	...	...	...	...
...	-44·822	-45·294	-3	E	...	...	-41·040	+12·413	-1	...	...	...	-37·411	-42·625	-3	M	...	...	...
...	44·778	-42·933	-2	E	...	...	41·026	+40·939	-5	M	...	...	37·406	-15·119	-5	M	...	...	...
...	44·762	+6·025	-5	E	...	...	40·895	+48·492	-5	M	...	...	37·364	-57·065	-4	M	...	...	...
†	44·751	-27·596	-3	E	...	...	40·832	+9·148	-5	M	...	...	37·296	-5·123	-5	M	...	...	...
†	44·727	-44·757	-2	E	...	...	40·822	+7·949	-5	M	...	...	37·282	+30·240	-5	M	...	...	...
†	-44·618	-23·478	-1	E	...	*	-40·780	+44·194	1·60	46.9012	9·0	N	-37·260	-31·060	0·70	47.8607	10·1	...	...
...	44·598	+29·663	-1	...	...	...	40·773	+23·695	0·75	...	...	N*	37·226	-31·125	1·00	...	...	...	...
...	44·597	+36·336	-1	...	...	...	40·665	+21·785	0·75	...	...	...	37·248	+59·108	-5	M	...	...	...
...	44·594	-25·414	-4	E	...	...	40·588	-46·349	-5	M	...	...	37·213	-8·398	1·00	...	...	...	...
*	44·496	+43·706	1·40	46.9010	9·3	...	40·495	+9·797	-3	...	...	...	37·208	-22·341	0·95	...	...	...	...
291	*	-44·309	+27·659	1·20	46.9009	9·6	...	-40·472	+0·409	-1	411	*	-37·133	-3·222	1·00	47.8608	9·8
...	44·287	+9·380	-1	...	...	...	40·438	-56·751	-3	M	...	...	37·069	+38·487	0·90	...	...	...	...
...	44·152	-13·528	-5	M	...	...	40·325	-21·064	-5	M	...	...	37·048	+58·115	-4	M	...	...	...
...	44·132	+28·571	-3	E	...	*	40·319	-15·616	2·40	47.8604	8·8	...	36·903	-46·095	0·70	A	...	...	...
...	44·086	+16·081	0·65	...	...	...	40·297	-42·441	-3	M	...	...	36·765	+44·811	-5	M	...	...	...
...	-44·082	+41·854	-3	E	...	...	-40·241	+17·004	-4	M	...	...	-36·765	+44·654	1·00	...	...	...	...
...	44·027	-14·774	-4	E	...	...	40·220	-3·909	-5	M	...	...	36·632	+10·606	-5	M	...	...	...
...	43·734	+19·238	0·65	...	...	...	40·189	+30·635	-3	M	...	...	36·602	-28·755	0·90	...	...	...	...
...	43·688	+8·587	-3	...	...	...	40·052	+29·034	-4	M	...	...	36·540	-41·845	-3	M	...	...	...
...	43·682	+37·708	0·80	...	...	...	39·987	+56·603	0·95	46.9013	10·1	...	36·493	+55·469	-5	M	...	...	...

Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
421-480																		
42 ¹	-36·424	-7·926	-5	M	...	48 ¹	-32·735	+24·560	-3	M	...	54 ¹	-29·245	-10·823	-5	M	...	
...	36·272	-21·665	-2	A	...	...	32·547	+42·467	-5	M	...	...	29·138	-37·346	-5	M	...
...	36·260	+31·109	-5	M	...	...	32·498	+46·103	-3	M	...	...	29·065	-4·935	0·70	...	...
*	36·139	+21·339	1·00	46.9019	10·1	...	32·470	+52·706	-3	...	...	...	28·934	+18·300	-5	M	...
...	36·076	+13·349	-5	M	...	...	32·457	-16·564	-2	A	...	...	28·921	-45·245	3·60	47.8624	7·6
...	-36·024	-29·703	0·70	...	...	...	-32·440	+28·990	-5	M	...	...	-28·875	-56·745	-5	M	...
...	36·021	+24·175	-2	...	...	...	32·406	+24·634	-5	M	...	...	28·842	+29·879	-5	M	...
...	36·010	+7·214	-5	M	...	...	32·353	-22·770	-5	M	...	...	28·779	-33·175	-5	M	...
...	36·004	+26·241	-5	M	...	...	32·348	+1·087	1·00	46.9024	10·1	...	28·744	+27·156	0·90	...	...
...	35·979	+35·826	0·90	...	...	*	32·319	-12·665	1·30	47.8612	9·6	...	28·738	+2·803	0·90	...	...
43 ¹	-35·911	-43·812	-3	M	...	49 ¹	-32·290	+33·922	-1	...	...	55 ¹	-28·727	+25·712	0·90	...	...
...	35·881	+4·902	-5	M	...	*	32·269	-17·961	1·00	...	...	...	28·686	+58·903	-5	M	...
...	35·857	-31·071	-5	M	...	...	32·248	-51·690	-5	M	...	...	28·682	+32·674	0·80	...	...
...	35·811	-6·879	-5	M	...	...	32·223	-36·323	-5	M	...	...	28·525	+39·883	-4	M	...
...	35·778	-16·621	-5	M	...	...	32·162	-47·205	-3	M	...	...	28·522	-22·553	-2	B	...
...	-35·744	+3·436	-5	...	...	...	31·959	-53·356	-5	M	...	...	-28·431	+47·366	-5	M	...
...	35·551	+27·278	-5	M	...	...	31·938	-19·826	-3	M	...	...	28·388	+9·328	-5	M	...
...	35·424	+21·183	-5	M	...	...	31·919	-37·498	-5	M	...	...	28·383	-27·201	0·70	...	...
*	35·417	-31·827	1·00	47.8609	10·1	...	31·909	+41·580	-5	M	...	...	28·254	-33·721	0·70	...	...
*	35·416	+27·194	1·00	46.9020	9·8	...	31·906	+40·109	0·70	...	...	...	28·171	-50·774	-1	...	...
44 ¹	-35·412	-42·945	-4	M	...	50 ¹	-31·788	-11·357	-3	...	...	56 ¹	-28·162	-37·592	-5	M	...
...	35·353	+6·109	0·80	...	...	...	31·724	+23·950	-5	M	...	...	28·135	+47·934	-5	M	...
...	35·322	-9·593	-5	M	...	...	31·711	-16·087	-5	M	...	*	28·041	-35·871	1·00	47.8625	9·6
...	35·163	-46·855	-3	M	...	S*	31·644	+5·798	-5	M	...	...	27·939	+33·331	-5	M	...
...	35·158	+38·139	-5	M	...	...	31·567	-45·939	2·55	47.8613	8·0	...	27·886	-25·571	-4	M	...
...	35·068	+20·491	-2	...	...	...	31·464	+6·433	-3	...	...	...	-27·859	+35·281	-4	M	...
...	34·967	-28·999	-5	M	...	...	31·415	-22·940	0·75	...	...	...	27·790	-29·210	-5	M	...
...	34·883	-12·941	-5	M	...	...	31·413	+39·558	-4	...	...	...	27·746	-38·129	-4	M	...
*	34·815	+16·666	1·00	46.9021	9·6	*	31·356	-54·545	1·20	47.8615	9·6	†	27·732	-49·779	-2	A	...	
†	34·701	-49·957	-3	M	...	*	31·346	-11·111	1·00	47.8618	10·1	...	27·718	+24·601	-5	M	...	
45 ¹	-34·677	-30·241	-4	M	...	51 ¹	-31·327	+43·108	0·90	...	...	57 ¹	-27·573	-17·177	-5	M	...
...	34·520	-40·827	-5	M	...	...	31·256	-20·855	-4	M	...	*	27·486	+46·931	1·00	46.9026	9·6
...	34·472	+26·651	-5	M	...	*	31·234	-53·100	1·00	47.8614	10·1	...	27·379	+26·169	0·90	...	...
...	34·460	+9·480	-5	M	...	*	31·228	-33·614	1·40	47.8617	9·4	...	27·301	+11·733	0·90	...	...
...	34·446	+6·379	-3	...	...	...	31·227	+27·345	-4	M	...	...	27·212	-59·687	1·00	...	...
...	-34·424	-0·404	0·80	...	...	*	31·141	-50·982	1·30	47.8616	9·4	...	-27·148	-6·317	-5	M	...
...	34·366	+36·698	-5	M	...	...	31·005	-56·120	0·80	...	...	*	27·102	+47·674	1·90	46.9027	8·9
...	34·362	+13·849	0·90	...	...	...	30·985	+18·750	-5	M	...	...	27·013	-26·140	-5	M	...
*	34·196	-47·587	1·15	47.8610	9·8	...	30·935	-56·357	-4	M	...	...	26·913	+2·337	-5	M	...
*	34·179	+33·213	1·20	46.9023	9·6	...	30·855	-46·424	-4	M	...	...	26·848	+31·128	-5	M	...
46 ¹	-34·129	+32·363	0·85	46.9022	10·1	52 ¹	-30·833	-36·769	-3	M	...	58 ¹	-26·817	+44·073	0·70	...	...
...	34·065	+16·497	-4	...	...	*	30·772	-20·548	1·00	47.8620	10·0	...	26·798	-58·070	-5	M	...
...	33·956	-30·321	-1	...	...	*	30·689	-31·233	1·40	47.8619	9·3	...	26·755	-54·335	0·95	...	...
...	33·946	-33·609	-5	M	...	...	30·683	-7·670	-5	M	...	...	26·753	+17·050	-4	...	...
...	33·745	+7·734	-3	...	...	...	30·630	-51·837	-3	M	...	...	26·701	+37·321	-4	M	...
...	-33·698	-23·670	0·90	...	...	...	30·498	-27·773	0·70	...	...	...	-26·676	+10·745	-5	M	...
...	33·522	+20·396	-3	...	...	...	30·454	+37·569	-5	M	...	...	26·517	+38·079	-5	M	...
...	33·465	-36·110	-2	B	...	...	30·299	+35·725	-5	M	...	...	26·509	-34·502	0·70	...	...
...	33·438	-48·795	-5	M	...	*	30·274	+42·099	1·00	46.9025	10·1	...	26·401	-21·897	-5	M	...	
...	33·414	+8·651	-5	...	...	*	30·233	+14·071	1·00	...	...	...	26·205	-35·800	-5	M	...
47 ¹	-33·389	-29·648	0·95	47.8611	10·1	*	-30·160	-23·972	2·20	47.8621	8·6	...	59 ¹	-26·187	+59·579	-5	M	...
...	33·320	+1·256	-1	...	...	...	30·126	+36·200	-5	M	...	*	26·175	-31·983	1·00	47.8626	9·8
...	33·209	+20·792	-5	M	...	...	30·076	-18·776	-2	...	...	...	26·165	-24·938	-4	M	...
†	33·124	-9·991	0·80	...	...	...	29·960	+34·003	-5	M	...	...	26·163	-25·726	-5	M	...
...	32·958	+41·180	0·80	...	...	...	29·890	-3·645	-3	...	...	...	26·052	-8·346	-5	M	...
...	-32·938	+27·166	-5	M	...	...	-29·879	-3·994	-5	M	...	...	-26·017	+52·711	-5	M	...
...	32·863	+4·244	-5	M	...	...	29·809	+53·904	0·65	...	...	...	25·922	+26·174	-5	M	...
...	32·848	+28·738	-4	M	...	...	29·698	-46·456	1·00	47.8622	9·6	...	25·874	-29·435	-5	M	...
...	32·833	+40·515	-4	M	...	...	29·427	-13·616	1·25	47.8623	9·6	...	25·861	+24·064	-1	...	...
...	32·773	-29·289	0·70	...	...	...	29·258	+34·697	0·65	...	...	...	25·752	+2·423	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
601-660																	
601	-25·720	+33·853	0·90	o.	...	661	-21·519	+16·336	-5	o.	...	721	-16·650	-15·072	-5	M	...
...	25·718	-19·432	-5	M	...	...	21·497	-52·461	-3	M	...	...	16·618	-46·271	-5	M	...
...	25·660	+9·475	-5	M	...	...	21·477	+42·665	-4	M	...	...	16·574	+14·105	-5	M	...
...	25·457	+16·947	-5	M	...	...	21·388	+37·491	-5	M	...	...	16·271	-6·558	-5	M	...
†	25·425	-59·744	-5	M	...	...	21·314	-14·988	1·00	47·8632	9·8	...	16·254	-42·839	-5	M	...
...	-25·340	-51·408	-4	M	...	...	-21·311	-47·330	-5	M	...	*	-16·232	+17·772	0·95	46·9034	10·1
...	25·218	-42·651	-5	M	...	...	21·309	+39·658	0·90	...	...	...	16·128	-28·957	-4	M	...
...	25·124	-52·020	-5	M	...	...	21·302	+47·208	0·85	...	...	...	15·909	-23·000	0·90	...	...
...	25·057	+29·476	-5	M	...	...	21·301	-59·001	-5	M	...	...	15·686	+40·116	-5	M	...
...	25·044	-35·548	-5	M	...	...	21·234	-57·916	-4	M	...	†	15·642	-34·920	-4	M	...
611	-25·039	-26·207	0·95	...	...	671	-21·145	+22·824	-5	M	...	731	-15·628	+15·350	-4	...	...
...	24·872	-18·158	-5	M	...	...	20·885	-42·393	-5	M	...	...	15·574	+44·818	-4	M	...
...	24·840	-40·752	-5	M	...	...	20·838	+48·701	-5	M	...	...	15·508	-27·289	-4	M	...
...	24·829	+51·159	-4	M	...	...	20·741	-9·429	0·90	47·8633	10·1	...	15·479	+35·591	-5	M	...
...	24·579	-38·009	-5	M	...	...	20·682	+19·223	-5	M	...	...	15·435	-9·172	-5	M	...
...	-24·556	+32·076	-5	M	...	...	-20·533	+27·612	-5	M	...	...	-15·403	+42·744	0·80	...	...
...	24·360	-1·453	-5	M	...	...	20·349	+33·361	-4	M	...	...	15·348	+12·092	-4	...	...
...	24·071	+40·856	-3	...	*	...	20·312	-56·221	1·30	47·8634	9·4	...	15·305	+55·211	0·95	...	...
...	23·994	+17·693	-4	M	...	...	20·290	+54·894	-4	M	...	...	15·295	-16·335	-3	...	...
...	23·954	+17·385	-5	M	...	...	20·203	+23·659	-5	M	...	...	15·126	+54·419	-5	M	...
621	-23·949	+42·963	-5	M	...	681	-20·203	+16·130	-3	...	...	741	-15·082	-20·681	0·95	47·8639	10·1
...	23·868	+25·395	-5	M	...	...	20·175	-22·456	-2	...	...	...	15·048	-17·857	-1	...	...
...	23·854	+51·774	-4	M	...	...	19·856	-11·554	-4	M	...	...	15·018	+8·454	-5	M	...
...	23·809	+10·209	-3	...	†	...	19·782	-45·281	-2	B	...	...	15·009	-48·283	-5	M	...
*	23·784	+18·562	1·00	46·9028	10·0	...	19·684	+20·911	-1	...	...	...	15·004	-59·424	-2	M	...
*	-23·663	-44·450	1·40	47·8627	9·0	...	-19·643	+20·958	-4	...	...	...	-14·987	+53·933	-4	M	...
...	23·601	-13·458	-5	M	...	...	19·505	+44·586	-4	M	...	...	14·908	+14·661	-1	...	...
...	23·471	+12·919	-5	M	...	...	19·499	-39·913	0·80	...	...	...	14·872	-35·510	0·65	...	...
...	23·334	+27·669	0·80	46·9029	10·1	...	19·455	-49·228	-2	B	...	...	14·830	+56·059	-5	M	...
...	23·312	-55·407	-3	M	...	*	19·266	+39·360	0·95	...	...	...	14·818	-28·898	-4	M	...
631	-23·281	+30·349	-3	...	...	691	-19·131	-26·407	-5	M	...	751	-14·734	-46·092	-5	M	...
...	23·266	-52·625	-5	M	...	...	19·113	-37·305	-5	M	...	...	14·685	+0·769	-1	46·9035	10·0
...	23·250	-52·700	-5	M	...	...	19·064	+38·731	-5	M	...	*	14·680	+28·382	1·25	46·9036	9·6
*	23·199	-32·768	4·20	47·8628	7·0	*	19·052	-4·139	1·00	47·8635	10·1	...	14·578	+52·548	-4	...	...
...	23·141	+16·496	-4	...	...	...	19·043	+50·415	-4	...	...	...	14·537	+21·117	-5	M	...
...	-23·064	+9·162	-4	M	...	...	-18·969	+28·248	-4	M	...	...	-14·534	-32·764	-5	M	...
...	23·050	-25·005	-5	M	...	...	18·908	+16·143	-5	...	...	...	14·527	-46·660	-5	M	...
...	22·995	+27·836	-5	M	...	...	18·835	+52·179	-5	M	...	*	14·400	+57·101	1·20	46·9037	9·8
*	22·845	+23·252	-5	M	...	*	18·812	+18·203	0·95	46·9031	10·1	...	14·170	-26·945	-5	M	...
*	22·819	-17·797	1·05	47·8630	10·0	...	18·634	+19·730	0·90	46·9032	10·1	...	14·125	+5·204	-5	M	...
641	-22·791	+26·515	-5	M	...	701	-18·633	-52·552	-4	M	...	761	-14·031	-7·235	-5	M	...
...	22·780	+1·489	-4	...	...	...	18·574	+36·277	-2	...	...	...	13·768	+28·104	-4	M	...
...	22·633	+38·634	0·65	...	...	...	18·490	+30·903	-5	M	...	*	13·744	-52·752	1·60	47·8640	9·0
...	22·613	+40·313	-2	...	...	...	18·397	-53·774	0·95	...	...	...	13·725	+58·253	-5	M	...
*	22·607	-31·449	1·00	47·8629	9·6	*	18·376	-16·017	1·00	47·8636	10·1	...	13·658	+14·100	-3	...	...
...	-22·589	-35·666	-3	M	...	...	-18·306	+59·634	-5	M	...	...	-13·648	-36·260	-5	M	...
...	22·580	+22·683	-5	M	...	...	18·306	+44·823	-3	...	...	...	13·440	+57·582	0·90	...	...
...	22·451	+34·561	-5	M	...	...	18·282	-35·043	-5	M	...	...	13·344	+42·026	-5	M	...
...	22·088	-7·118	-4	M	...	...	18·002	-15·595	-4	M	...	...	13·290	-28·439	-4	M	...
*	22·086	-57·848	1·15	47·8631	9·6	*	17·898	-12·268	1·00	47·8637	10·0	...	13·187	-10·078	0·85	47·8641	10·1
651	-22·085	-28·933	-5	M	...	711	-17·896	+52·260	-4	M	...	771	-13·140	-14·775	-5	M	...
...	22·019	+16·093	-5	M	...	...	17·761	-8·904	-4	...	...	...	13·081	+1·141	-4	...	...
...	22·008	+58·809	-1	...	...	...	17·298	+41·208	-5	M	...	...	12·919	+42·252	-5	M	...
...	21·944	+25·819	-5	M	...	*	17·263	-11·911	1·00	...	...	...	12·918	+13·369	-5	M	...
...	21·871	-25·046	-5	M	...	S *	17·166	+26·240	1·50	46·9033	8·9	...	12·784	+19·741	0·95	...	...
...	-21·797	+40·665	-1	M	...	...	-17·106	+30·077	0·85	...	...	...	-12·530	-34·419	0·80	47·8642	10·1
...	21·775	+44·317	-3	...	...	*	17·089	-42·896	0·95	47·8638	10·1	...	12·457	+1·957	-5	...	...
*	21·733	+17·641	1·15	46·9030	9·6	...	16·851	+49·213	0·70	...	...	...	12·453	+41·150	0·65	...	...
...	21·712	-54·073	-5	M	...	...	16·826	-27·826	-5	M	...	*	12·319	-14·656	1·00	47·8643	9·8
...	21·681	+26·262	-5	M	...	...	16·813	+40·636	0·90	...	...	...	12·223	-27·204	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
781-840																		
781	-12·182	+7·239	-5	° M	...	841	-6·994	+48·690	-2	°	...	901	-2·560	+56·558	-5	° M m	...	
...	12·133	+5·889	-5	...	...	...	6·768	-51·546	-5	M m	...	...	2·442	-46·955	-5	M m	...
...	12·088	+12·430	-5	...	...	...	6·637	-1·529	-5	M	...	...	2·427	+36·134	-5	M m	...
...	12·010	+56·934	-5	M	...	...	6·615	-15·076	-1	...	...	...	2·389	+57·176	0·90	...	...
...	11·980	+22·226	-2	...	...	*	6·584	+8·412	1·00	46·9048	9·6	...	2·366	+33·050	-5	M m	...
...	-11·806	-47·916	-1	...	...	*	6·453	-4·618	1·20	47·8648	9·6	...	2·362	-38·985	-5	M m	...
...	11·740	-29·057	-5	M	...	...	6·393	+43·612	-5	M m	...	...	2·274	-34·276	-4	M	...
*	11·738	-2·681	1·60	47·8644	9·3	...	6·219	+5·530	-4	...	...	...	2·244	+53·527	-5	M m	...
...	11·666	+35·853	-4	...	...	...	6·180	-42·335	-2	...	...	...	2·108	-48·473	-5	M	...
...	11·592	+57·875	-5	M	...	...	6·174	+24·335	-5	...	...	*	2·105	-18·369	1·00	47·8652	10·0
791	-11·584	+29·794	0·90	...	...	851	-6·141	+51·625	0·95	...	...	911	-2·092	-34·046	1·10	47·8651	9·8
S †	11·528	-9·986	1·40	47·8645	9·3	...	6·059	-47·581	-5	M m	...	...	2·079	+1·943	-5	M m	...
...	11·275	-8·286	-5	M	...	...	5·976	-24·024	-5	M m	...	...	1·987	+37·481	-1	...	...
†	11·206	+29·912	-4	...	...	...	5·803	+46·944	-5	M m	...	...	1·887	-48·209	-5	M m	...
...	11·083	+53·677	0·90	46·9038	10·1	...	5·773	+42·061	-5	M m	...	...	1·881	-55·316	-3	M	...
*	10·878	-32·334	-5	M	...	...	5·771	-9·609	-5	M m	...	...	1·821	-50·116	-5	M m	...
*	10·855	+30·241	1·20	46·9039	9·6	*	5·664	+5·731	1·20	46·9049	9·6	*	1·787	+42·259	1·20	46·9055	9·6	
...	10·796	+19·729	-5	M	...	...	5·620	+32·353	-4	...	...	...	1·766	-24·979	0·80	...	...
...	10·624	-52·608	-4	M	...	...	5·562	+21·759	-5	M m	...	...	1·645	-38·058	-4	M	...
...	10·585	+30·851	-3	...	...	...	5·388	-52·087	-4	M	...	...	1·517	+55·376	-4	m	...
801	-10·580	+19·649	-5	...	...	861	-5·329	+3·638	-5	...	...	921	-1·393	+10·730	-4	...	...
*	10·463	+16·011	1·10	46·9040	9·6	...	5·247	-53·767	-5	M m	...	...	1·369	+0·596	2·00	46·9056	8·8
...	10·403	-46·477	-5	M	...	...	5·243	+52·865	-5	M m	...	...	0·876	+54·398	1·40	46·9057	9·4
...	10·396	+53·605	-5	M	...	...	5·243	+52·595	-5	M m	...	...	0·873	-12·325	1·60	47·8653	8·9
...	10·329	-52·940	-4	M	...	...	5·223	-10·688	-5	M m	...	...	0·578	+49·201	-5	M m	...
*	10·053	-15·224	1·05	47·8646	9·8	...	5·207	+58·827	-5	M m	...	...	0·513	-51·476	-4	M	...
...	9·893	-52·192	-5	M	...	...	5·197	+26·356	-5	M m	...	...	0·480	-11·502	1·00	47·8654	10·0
†	9·744	+30·222	-2	...	...	...	5·121	-37·890	0·90	...	...	...	0·480	-33·585	-2	...	...
†	9·741	+52·475	-2	...	...	...	5·037	-45·326	-4	M m	...	...	0·470	-48·267	0·65	...	...
*	9·543	+38·863	0·95	46·9041	10·1	...	4·953	+24·896	-5	...	...	...	0·457	-31·962	-3	M	...
811	*	-9·506	+56·379	1·15	46·9042	9·6	871	-4·824	+35·882	0·75	931	-0·424	-58·630	-3	M m	...
...	9·203	+12·692	-5	M	...	...	4·818	+21·669	0·90	46·9050	10·1	...	0·176	+41·502	-3	...	...
...	9·097	+9·887	-5	...	...	...	4·731	+30·133	1·20	46·9051	9·5	...	-0·087	-29·555	-5	M m	...
...	9·096	+33·777	-4	M	...	...	4·688	+56·156	1·30	46·9052	9·6	...	+0·033	+48·432	-4	m	...
...	8·992	-51·909	-5	M m	...	...	4·666	+47·849	1·00	...	...	...	0·324	+53·371	-4	...	...
...	-8·831	+25·565	0·80	...	...	...	4·443	+49·549	-4	...	...	...	+0·439	-58·405	-5	M m	...
...	8·808	+29·019	-5	...	...	...	4·292	+16·882	-5	M m	...	...	0·572	+53·609	0·90	...	...
...	8·698	-13·923	-5	M m	...	...	4·200	+56·995	-5	M	...	...	0·684	-47·486	-5	M m	...
*	8·625	+41·800	1·45	46·9043	9·2	...	4·186	+47·537	0·85	...	...	...	0·887	-41·358	0·80	...	...
...	8·565	-55·081	-1	M	...	...	4·091	+58·770	-5	M	...	...	0·937	-53·282	-5	M m	...
821	-8·281	+10·567	-1	881	-3·927	-12·060	1·05	47·8649	9·8	...	941	-1·325	-3·211	-5	M m	...
*	8·239	+18·285	1·20	46·9044	9·6	...	3·765	-20·510	0·85	47·8650	10·1	...	1·337	+34·430	-5	M m	...	
...	8·161	-42·561	-5	M	...	...	3·755	-47·566	-3	M	...	...	1·360	-49·064	0·90	...	...
...	8·110	-58·775	-5	M m	...	...	3·622	+18·151	-3	...	...	...	1·365	+41·629	-5	M m	...
...	8·019	+43·936	-5	M m	...	...	3·495	+55·354	1·20	46·9053	9·8	...	1·403	-28·391	-5	M m	...
...	-8·015	+28·564	-4	...	...	...	3·420	+47·766	-5	M m	...	...	+1·461	+30·452	1·00	...	...
...	7·867	+7·689	-5	m	...	...	3·405	-38·257	-5	M m	...	...	1·653	-15·293	1·10	47·8655	9·6
...	7·826	-0·169	-1	46·9045	10·0	...	3·401	+26·954	-5	M m	...	...	1·729	-47·211	-5	M m	...
...	7·767	+31·357	-5	M m	...	...	3·368	+6·827	1·20	46·9054	9·6	...	1·815	+45·326	-4	M	...
...	7·714	+45·981	-5	M m	...	...	3·343	+52·924	-5	M m	...	...	1·839	-51·716	-5	M m	...
831	-7·710	-54·952	-5	M m	...	891	-3·299	+44·269	-2	...	...	951	+1·931	+38·527	-5	M m	...
...	7·598	-53·023	-5	M m	...	...	3·171	-34·076	-5	M m	...	...	1·973	+11·793	-5	M m	...
...	7·536	-22·767	1·00	...	...	...	3·154	+0·567	-3	M m	...	...	2·329	-36·696	-5	M m	...
...	7·526	-46·069	-2	...	...	...	3·114	+44·124	-2	...	...	...	2·535	+54·832	0·70	...	...
...	7·498	-27·839	-1	M	...	...	3·074	-59·214	-5	M m	...	...	2·636	+14·501	-4	M	...
*	-7·389	-9·437	1·15	47·8647	9·8	...	-2·799	+55·982	-5	M m	...	...	+2·676	-34·198	0·90	...	...
...	7·372	+24·402	-3	...	...	...	2·720	+56·583	-2	...	...	...	2·681	+39·616	-5	M m	...
...	7·299	-6·847	-5	M m	...	...	2·707	+12·072	-4	...	...	...	2·850	+20·342	0·95	...	...
*	7·128	+17·548	1·00	46·9046	9·8	...	2·620	-54·294	-5	M m	...	...	2·869	-38·880	-5	M	...
*	7·027	+45·530	1·00	46·9047	10·1	...	2·590	+5·421	-3	...	...	...	3·242	-22·003	-5	M	...

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.	x.	y.	o·65	No.	Mag.	x.	y.	o·65	No.	Mag.	x.	y.	o·65	No.	Mag.
961-1020																				
961	+ 3°53'38	+ 58°85'	1°80	46°9058	9°0	...	+ 9°080	+ 16°461	- 5	o	...	...	+ 13°493	- 57°933	- 4	o	m	...	...
S *	+ 3°66'8	- 14°480	0°95	...	...	...	+ 9°087	+ 1°747	- 5	...	...	...	13°768	+ 55°367	- 4	...	...	...	...
...	3°72'3	- 17°735	- 5	M	...	...	+ 9°270	+ 0°980	- 5	...	...	...	13°781	- 23°726	- 5	m	...	...	...
*	3°81'1	- 53°602	1°40	47.8656	9°2	...	+ 9°334	+ 44°704	0°80	...	...	...	13°905	+ 28°442	0°70	...	...	...	...
...	4°04'4	+ 44°497	- 5	M	...	...	+ 9°396	- 15°616	1°00	47.8662	10°0	...	13°912	+ 29°495	- 5	m	...	...	...
...	+ 4°09'6	+ 38°217	- 3	...	...	...	+ 9°420	+ 52°674	- 4	...	...	...	+ 13°960	- 6°857	1°00	47.8669	10°1	...	...
...	4°20'4	- 43°518	0°90	M	...	...	+ 9°586	+ 58°628	- 5	m	...	...	14°010	+ 27°757	- 5	m	...	...	...
...	4°29'0	+ 8°831	- 5	M	...	...	+ 9°614	- 41°787	- 5	m	...	...	14°332	- 41°430	- 5	m	...	...	...
...	4°46'2	- 45°879	0°70	M	...	...	+ 9°662	- 50°730	1°40	47.8663	9°3	...	14°500	+ 17°856	- 5	m	...	...	...
...	4°46'7	- 15°126	- 1	...	...	...	+ 9°849	+ 24°097	- 1	...	...	...	14°526	+ 50°741	- 5	m	...	...	...
1021-1080																				
971	+ 4°52'7	- 46°800	- 5	M m	...	...	+ 9°930	- 55°662	- 5	m	...	...	+ 14°827	+ 56°267	- 1	...	...	...	...
...	4°58'6	+ 40°778	- 5	M m	...	...	10°016	- 11°875	- 5	...	...	...	14°913	- 38°932	- 5	m	...	...	...
...	4°59'3	+ 58°454	- 5	M m	...	...	10°056	+ 10°141	- 5	m	...	...	15°136	+ 1°762	1°40	46.9065	9°0	...	...
...	4°68'4	- 50°717	0°90	...	...	...	10°087	+ 3°697	- 5	...	...	...	15°410	+ 4°317	0°90	...	...	...	...
*	4°69'7	+ 50°071	1°00	46.9059	9°8	†	10°146	- 33°635	- 5	...	...	...	15°460	- 25°027	- 4	...	...	...	...
*	+ 4°98'2	+ 21°123	1°00	46.9060	10°0	...	+ 10°488	- 46°398	- 5	m	...	...	+ 15°500	+ 36°685	- 2	...	...	...	...
...	5°39'1	+ 14°112	- 3	...	...	...	10°510	+ 0°679	- 4	...	...	...	15°560	+ 10°130	0°95	...	...	...	...
...	5°43'6	+ 50°082	- 4	M	...	...	10°551	+ 58°369	- 5	m	...	...	15°570	+ 47°123	- 3	...	...	...	...
...	5°49'4	+ 18°298	- 2	...	...	...	10°571	+ 57°157	- 5	m	...	...	15°657	+ 46°827	- 5	m	...	...	...
...	5°49'4	- 5°035	- 5	M	...	S *	10°612	- 8°643	3°00	47.8665	8°2	...	15°719	- 40°168	- 5	m	...	...	...
1081-1140																				
981	+ 5°54'0	- 40°910	- 5	M m	...	...	+ 10°815	- 50°855	- 5	m	...	...	+ 15°784	+ 51°279	- 4	m	...	...	...
...	5°56'6	- 38°014	- 5	M m	...	...	10°838	+ 23°183	- 5	...	...	...	15°784	- 49°320	- 5	m	...	...	...
...	5°73'5	+ 16°660	- 3	...	...	...	10°882	- 0°831	- 5	m	...	...	15°837	+ 36°702	- 5	m	...	...	...
...	5°93'1	- 38°706	- 3	M	...	...	10°948	- 56°721	- 5	m	...	...	* 15°883	- 43°307	1°70	47.8670	8°9	...	...
...	6°02'9	- 8°287	- 5	M	...	...	10°975	- 7°080	- 4	...	...	...	15°966	+ 32°748	0°70	...	...	...	...
...	+ 6°25'4	- 11°634	- 5	M	...	...	+ 10°990	- 49°032	- 5	m	...	...	+ 15°989	- 36°461	0°90	...	...	...	...
...	6°36'4	- 43°409	- 5	M m	...	...	11°051	+ 19°639	- 4	...	...	...	16°080	+ 35°241	- 4	m	...	...	...
*	6°38'5	+ 1°079	1°20	46.9061	9°6	...	11°170	- 19°777	- 5	...	...	...	16°115	+ 41°469	- 4	m	...	...	...
*	6°38'7	+ 51°396	1°00	...	...	...	11°176	- 33°671	- 2	...	...	...	16°171	+ 2°778	1°20	46.9066	9°8	...	...
...	6°46'6	- 9°164	- 1	47.8657	10°1	...	11°208	+ 42°111	0°70	...	...	...	16°193	- 37°282	- 4	m	...	...	...
1091-1151																				
991	+ 6°49'2	+ 36°196	0°90	...	...	...	+ 11°222	+ 24°512	- 5	m	...	...	+ 16°231	- 13°387	- 5	m	...	...	...
...	6°49'4	- 13°356	- 5	M	...	...	11°259	+ 57°843	- 5	m	...	...	16°274	+ 17°408	- 5	...	...	...	...
...	6°77'9	- 58°604	- 5	M m	...	*	11°393	- 6°571	1°25	47.8666	9°6	...	16°458	+ 46°410	- 5	m	...	...	...
*	6°78'1	+ 43°874	- 4	...	...	...	11°484	- 12°259	- 5	...	...	...	16°499	- 52°885	0°70	...	...	...	...
*	7°03'5	+ 33°412	1°00	46.9062	10°1	...	11°703	- 38°443	- 2	...	...	...	* 16°622	- 46°348	1°40	47.8671	9°2	...	...
...	+ 7°04'5	- 47°100	- 5	M m	...	...	+ 11°753	+ 59°287	1°00	...	...	...	+ 16°672	- 5°199	- 2	...	...	...	...
...	7°05'0	+ 38°424	0°70	...	...	...	11°767	+ 45°986	0°95	...	...	...	16°691	+ 9°825	- 5	...	...	...	...
...	7°20'6	- 37°503	- 3	M	...	...	11°789	+ 57°299	- 5	m	...	...	16°694	- 5°142	- 5	m	...	...	...
...	7°26'8	- 52°923	- 5	M m	...	...	11°855	+ 31°543	- 4	...	...	...	16°701	+ 37°286	- 5	m	...	...	...
...	7°27'9	- 54°531	- 5	M m	...	...	11°855	- 53°050	- 3	m	...	...	16°800	+ 13°337	- 5	...	...	...	...
1101-1161																				
...	+ 7°28'7	+ 59°175	- 5	M m	...	...	+ 11°937	- 48°142	- 5	m	...	...	+ 16°833	- 28°263	- 5	m	...	...	...
...	7°28'7	+ 47°684	- 4	...	...	...	12°046	+ 2°812	- 2	...	...	...	16°869	+ 35°140	- 1	...	...	...	...
...	7°44'4	- 47°430	- 5	M m	...	*	12°074	- 31°066	1°00	47.8667	10°0	...	16°969	+ 33°134	- 5	m	...	...	...
...	7°55'6	+ 5°876	- 4	...	...	...	12°134	- 36°671	- 5	m	...	...	17°213	+ 12°722	0°90	...	...	...	...
...	7°56'2	+ 52°690	- 5	M	...	...	12°192	+ 11°942	- 5	m	...	...	17°229	- 37°248	- 5	m	...	...	...
...	+ 7°63'9	- 6°580	- 5	M m	...	...	+ 12°339	+ 14°119	0°90	...	...	...	+ 17°255	+ 2°858	- 1	...	...	...	...
...	7°75'6	- 28°183	- 1	...	...	...	12°420	- 20°314	- 5	...	...	...	17°299	+ 47°518	- 5	m	...	...	...
...	7°81'8	- 45°827	- 3	M	...	...	12°548	- 40°518	- 4	m	...	...	17°353	+ 22°592	- 5	m	...	...	...
...	7°83'8	+ 30°637	- 4	...	...	...	12°595	+ 11°898	- 5	m	...	...	17°415	- 56°946	- 5	m	...	...	...
...	7°93'5	+ 32°712	- 5	m	...	...	12°618	+ 36°471	- 5	m	...	...	17°498	- 38°300	- 3	...	...	...	...
1131-1191																				
...	+ 8°27'6	- 51°235	0°90	...	...	*	+ 12°787	+ 45°988	1°05	46.9063	10°0	...	+ 17°534	- 12°174	- 1	...	...	...	...
...	8°43'1	+ 43°087	- 4	...	...	...	12°791	+ 30°277	- 5	m	...	...	17°553	- 3°367	- 5	m	...	...	...
*	8°44'0	- 50°811	1°05	47.8658	10°0	...	12°891	- 50°650	0°90	...	...	...	17°576	+ 47°733	- 4	m	...	...	...
...	8°55'3	+ 55°420	- 5	m	...	*	12°998	- 59°027	1°20	47.8668	9°8	...	17°632	- 31°182	- 5	m	...	...	...
*	8°64'6	- 32°633	1°25	47.8659	9°4	...	13°021	- 35°376	- 5	m	...	...	17°831	- 30°061	- 5	m	...	...	...
...	+ 8°70'3	- 30°786	- 5	m	...	*	+ 13°120	+ 30°277	- 5	m	...	...	+ 17°845	+ 44°192	- 5	m	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
1141-1200																	
1141	+18·372	+18·151	-3	...	...	*	+22·849	-56·427	1·00	47·8679	9·8	...	+27·445	+2·307	-3	...	...
...	18·376	-4·316	-4	...	...	...	22·866	+37·435	0·90	...	...	...	27·446	-34·144	-5	m	...
...	18·759	+30·351	-5	m	...	...	22·908	+54·370	-3	...	...	...	27·476	+48·439	-5	m	...
...	18·803	+19·345	0·75	...	...	...	22·931	+40·047	0·80	...	...	*	27·628	-30·406	1·00	47·8682	10·1
...	18·837	+28·105	-5	m	...	...	22·941	-17·309	-5	m	...	...	27·680	+19·348	-5	m	...
...	+18·884	+31·772	-1	...	...	...	+23·065	-21·898	-2	...	...	...	+27·699	+41·514	-5	m	...
...	18·909	+56·709	-5	m	...	...	23·077	+30·279	-4	m	...	*	27·886	+57·881	1·50	46·9075	9·4
...	18·967	+20·173	-5	m	...	...	23·260	+56·618	0·95	...	...	*	27·914	-7·766	1·40	47·8683	9·6
...	18·990	+52·459	-5	m	...	...	23·314	+47·374	-5	m	...	...	28·030	-48·473	-4	m	...
...	18·991	-6·947	-5	...	...	...	23·354	+26·994	-5	m	...	...	28·091	-4·768	-5	m	...
1151	* +19·058	-2·676	1·00	47·8673	10·1	...	+23·399	+16·527	-2	...	...	...	+28·261	+52·045	0·90	...	...
...	19·146	-53·833	0·70	...	...	...	23·437	+3·007	0·90	...	...	*	28·294	+53·385	1·20	46·9076	10·0
...	19·187	+0·364	-3	...	...	*	23·570	+23·820	2·00	46·9070	9·0	...	28·342	+3·632	-3	...	...
*	19·255	-43·581	1·00	47·8674	9·6	...	23·609	-35·638	0·95	...	...	...	28·433	+6·677	-5	...	...
...	19·328	+21·494	-1	...	...	*	23·669	+51·728	1·00	...	...	...	28·466	+56·365	-5	m	...
...	+19·339	-22·212	-3	...	...	*	+23·769	-23·672	1·60	47·8680	9·6	...	+28·486	+32·425	-5	m	...
...	19·679	-11·129	-1	...	...	...	23·880	+53·710	-5	m	...	*	28·642	+40·265	1·00	...	...
...	19·748	+13·640	-3	...	...	...	23·972	+54·502	-4	...	...	...	28·824	+50·159	-5	m	...
*	19·761	-25·856	1·20	47·8675	9·8	...	24·064	+33·147	-4	...	...	...	28·828	-11·373	-5	m	...
...	19·794	+28·446	-2	...	...	...	24·067	+36·381	-4	m	...	...	28·902	-35·830	-5	m	...
1161	+19·833	-35·363	-4	m	...	†	+24·258	+15·006	-2	...	...	...	+28·906	-32·083	0·85	...	...
*	20·320	+6·862	1·50	46·9067	9·3	...	24·326	+53·508	-5	...	...	...	28·966	-50·075	-5	m	...
...	20·341	-50·478	-5	m	...	*	24·366	+36·142	1·20	46·9071	9·5	...	28·973	+19·670	-4	...	...
...	20·386	+46·411	-5	m	...	...	24·395	+57·950	-4	...	...	...	29·031	+42·530	-1	...	...
...	20·690	+22·974	-2	...	...	...	24·439	+14·005	-5	m	...	...	29·044	-34·399	-5	m	...
...	+20·701	-48·004	-4	m	...	...	+24·501	-53·826	-1	...	...	...	+29·106	+18·057	-4	m	...
...	20·706	-44·159	-4	...	...	*	24·544	+15·251	1·00	46·9072	10·0	...	29·143	+46·815	-5	m	...
...	20·716	-11·486	-4	...	...	...	24·557	+36·880	0·90	...	...	...	29·157	+8·904	-5	...	...
...	20·788	-55·745	-2	...	...	...	24·612	-5·776	-5	...	...	...	29·329	-37·493	-4	m	...
...	20·793	+50·723	-5	m	...	...	24·709	-58·838	-4	m	...	...	29·423	+21·073	-2	...	...
1171	+20·877	-31·126	-4	...	...	...	+24·712	-20·089	-5	m	...	...	+29·544	-36·182	0·70	...	...
S *	20·919	+32·819	3·00	46·9068	8·3	...	24·798	+44·987	-4	m	...	...	29·588	+43·281	0·95	...	...
†	20·938	+44·928	0·70	...	...	*	24·821	-38·275	1·00	47·8681	10·0	...	29·650	-23·878	-4	...	...
...	20·965	+48·260	-3	...	...	...	25·055	-29·238	-5	m	...	...	29·684	+33·412	-4	m	...
...	21·003	+30·216	-5	m	...	...	25·087	-13·170	0·95	...	...	...	29·891	-41·439	-5	m	...
...	+21·010	-0·981	0·90	...	...	...	+25·201	+48·973	-4	m	...	*	+30·093	+42·115	-4	m	...
...	21·159	-45·198	-5	m	...	...	25·348	-39·977	-4	m	...	*	30·299	+32·818	2·00	46·9077	8·8
...	21·169	+21·758	-4	...	...	...	25·359	-56·293	-5	m	...	...	30·380	-39·037	-5	m	...
...	21·175	+33·214	-5	m	...	...	25·677	-27·803	-4	...	...	...	30·461	-43·797	-3	m	...
*	21·192	-34·690	1·00	47·8676	9·8	...	25·772	-49·077	-5	m	...	...	30·521	+31·973	-4	m	...
1181	+21·202	+13·579	-5	m	...	...	+25·865	-22·770	-5	m	...	...	+30·582	+31·931	-5	m	...
...	21·206	+2·597	-4	...	...	...	25·865	-55·599	0·75	...	...	...	30·590	+44·544	-5	m	...
...	21·210	-1·226	0·90	...	...	...	25·913	+34·257	-5	m	...	...	30·616	+38·289	-4	m	...
...	21·274	-18·993	-1	...	...	...	25·928	+12·762	-3	...	...	*	30·626	-28·896	1·00	...	...
...	21·320	-57·710	-5	m	...	...	25·953	-50·305	-2	...	...	...	30·642	-35·915	-2	a	...
*	+21·589	-48·093	1·00	47·8677	9·6	...	+25·962	-28·657	-5	m	...	...	+30·766	+42·041	-4	m	...
...	21·643	-56·202	0·95	...	...	*	26·058	+32·086	1·30	46·9073	9·5	...	30·784	-16·527	-5	m	...
...	22·086	+39·165	-3	...	...	...	26·146	+24·285	-1	...	...	...	30·860	-40·835	-5	m	...
...	22·174	-21·195	-5	m	...	...	26·194	-52·658	-3	...	...	*	30·867	-16·543	1·00	47·8684	10·0
...	22·275	+36·376	-5	m	...	...	26·255	+42·618	-5	m	...	*	30·940	-9·913	-2	...	...
1191	+22·283	-36·493	-3	...	...	...	+26·466	+1·696	-5	m	...	*	+30·957	+51·955	1·15	46·9078	9·8
...	22·335	+36·430	-5	m	...	...	26·474	+50·876	1·00	...	...	...	31·045	-37·245	-2	a	...
*	22·344	-42·773	1·00	47·8678	10·1	...	26·536	+59·370	-5	m	...	...	31·083	-2·379	0·90	...	...
...	22·469	+48·046	-5	m	...	...	26·718	+31·649	-5	m	...	...	31·244	-56·456	-5	m	...
...	22·618	-25·419	-5	m	...	...	26·843	-15·597	-1	...	...	...	31·288	+19·816	-5	m	...
*	+22·633	+35·702	2·00	46·9069	8·9	*	+26·869	+19·678	1·60	46·9074	9·0	...	+31·309	+4·486	-5	m	...
...	22·652	-59·419	-2	a	...	...	27·043	-56·023	-5	m	...	...	31·333	-15·803	-4	...	...
...	22·705	+54·368	-4	...	...	...	27·118	+14·747	-5	m	...	...	31·413	-9·851	-2	...	...
...	22·784	-43·585	-5	m	...	...	27·283	+9·421	-5	m	...	...	31·495	-0·707	-4	...	...
...	22·835	-18·547	-4	m	...	...	27·340	-47·575	-4	m	...	...	31·559	-21·855	0·80	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.			
1321-1380																				
1321	... +31°727	-23°778	-4	°	m	...	... +35°563	+44°473	-5	°	m	...	1441	+39°350	+43°187	-5	°	m	...
...	31°734	-27°458	0°90	...	...	...	... 35°579	+58°411	-2	...	...	...	...	39°357	-33°955	-5	°	m	...
...	31°776	-37°298	0°95	...	...	...	... 35°703	-48°057	0°65	...	...	...	...	39°462	-22°502	-4	...	...	...
...	31°887	+29°365	-2	...	...	...	... 35°832	-49°566	-5	m	...	...	...	39°538	+59°619	-5	°	m	...
...	31°889	+30°656	-4	m	...	...	... 35°853	-15°242	-5	m	...	...	...	39°542	+55°663	-5	°	m	...
...	+31°952	-45°076	-2	...	...	...	... +35°914	+2°676	-5	m	...	...	...	+39°770	-47°497	-5	°	m	...
...	32°126	-55°803	-3	m	...	...	... 36°005	-53°962	-5	m	...	...	...	39°946	+42°744	-5	°	m	...
...	32°150	+16°254	-5	m	...	...	... 36°068	-19°252	-4	...	...	...	...	40°073	+12°534	-4	...	...	...
...	32°162	-57°962	-5	m	...	...	... 36°148	+9°355	-4	...	...	...	...	40°145	+0°639	-5	...	...	...
...	32°184	-52°673	0°80	...	...	...	... 36°181	+50°174	-3	m	...	...	...	40°202	-41°428	-5	°	m	...
1331	* +32°218	+11°128	1°00	46.9079	10°0	...	1381	+36°194	-11°517	-4	...	...	1451	+40°245	-30°656	-2	...	...	...
...	32°272	-3°343	-4	...	...	...	... *	36°301	+58°725	1°40	46.9084	9°5	...	40°288	-31°560	-2	...	...	...
†	32°302	+59°867	-1	...	...	...	... 36°331	+36°011	-5	m	...	...	...	40°372	+39°880	-5	m	...	...
...	32°305	-15°552	-5	m	...	...	... 36°355	-46°710	1°20	47.8690	9°6	...	...	40°385	+38°713	-5	m	...	...
...	32°427	-30°901	0°65	...	...	...	... 36°443	-28°850	-5	m	...	...	...	40°405	+36°218	-5	m	...	...
...	+32°477	-0°844	-5	m	...	...	... +36°500	+14°376	0°70	...	...	...	...	+40°454	+31°318	-3	...	...	...
*	32°496	+37°696	1°00	46.9080	9°5	...	... 36°545	+16°136	-4	m	...	...	...	40°458	-14°269	-5	m	...	...
*	32°500	+35°241	2°00	46.9081	8°8	...	... 36°549	-10°987	-2	...	...	...	...	40°461	-34°378	-5	m	...	...
...	32°598	+43°525	-3	m	...	...	... 36°647	+38°591	-5	m	...	...	...	40°560	+31°865	0°70	...	...	...
...	32°740	-34°445	-5	m	...	...	... 36°647	+21°616	1°40	46.9085	9°4	...	...	40°619	+27°744	-5	m	...	...
1341	...	...	...	...	...	...	1401	...	...	...	...	...	1461	...	...	...	...	...	...
...	+32°763	+17°822	-5	m	...	...	... +36°771	+0°978	-3	...	...	...	...	+40°632	+32°807	-2	...	...	...
...	32°790	+24°545	-5	m	...	...	... 36°798	+7°407	-5	m	...	...	...	40°788	-9°584	-2	...	...	...
...	32°945	+0°636	-5	m	...	...	... 36°888	+30°292	-5	m	...	...	...	40°835	-55°649	-1	...	...	...
...	33°045	+42°497	-4	m *	36°945	-42°789	1°00	47.8691	10°0	40°864	+32°014	0°75
...	33°055	-2°429	0°90	...	...	...	... 36°987	+57°037	-5	m	...	...	...	40°864	+7°952	-5	m	...	...
...	+33°063	-43°533	-4	...	...	...	... +37°040	+58°277	1°30	46.9086	10°0	...	...	+40°924	-54°117	-5	m	...	...
...	33°191	+45°903	-2 *	37°386	+51°721	1°20	46.9087	10°0	40°968	+57°382	-5	m
...	33°210	+2°848	1°00	46.9082	10°1	*	... 37°392	+41°983	1°40	46.9088	9°3	...	...	41°063	+25°321	-5	m	...	...
...	33°272	+18°250	-5	m	...	...	... 37°398	+54°188	-5	m	...	...	...	41°080	+7°902	-5	m	...	...
...	33°373	+12°905	0°90	...	...	...	... 37°455	-4°554	-5	m	...	...	...	41°086	+5°715	-5	m	...	...
1351	...	...	...	...	...	...	1411	...	...	...	...	...	1471	...	...	...	...	...	...
...	+33°400	-53°373	-5	m	...	...	... +37°506	+25°134	-5	m	...	...	...	+41°189	-3°674	-5	m	...	...
...	33°457	+50°013	-5	m	...	...	... 37°525	-21°240	-5	m	...	...	...	41°335	+53°378	-4	m	...	...
...	33°540	+20°071	-5	m	...	...	... 37°556	+29°719	0°90	...	...	...	...	41°393	+27°936	0°75	...	...	...
...	33°551	+14°490	-2	...	...	...	... 37°572	-42°647	-5	m	...	...	...	41°450	+8°091	-5	m	...	...
...	33°590	-13°115	-5	m	...	...	... 37°794	-48°657	-1	...	...	...	...	41°460	-43°450	-2	...	...	...
...	+33°802	-15°974	-5	m	...	...	... +37°882	-39°510	-5	m	...	...	...	+41°482	+54°755	-5	m	...	...
...	33°887	+29°677	-5	m *	37°949	+54°474	1°20	46.9089	10°0	41°487	+24°739	-3	m
...	33°908	+40°548	-5	m	...	...	... 37°973	+30°343	-5	m	...	...	...	41°493	-38°288	1°00	...	...	...
†	33°993	+25°088	3°00	46.9083	8°2	...	... 38°116	-36°721	-5	m	...	...	...	41°503	+7°873	1°00	46.9094	10°1	...
...	34°023	+49°661	-5	m	...	...	... 38°144	+11°718	-1	...	...	...	...	41°565	+43°374	1°00	46.9093	10°0	...
1361	...	...	...	...	...	...	1421	...	...	...	...	...	1481	...	...	...	...	...	...
...	+34°042	-23°100	0°95	...	...	*	... +38°160	+52°972	1°40	46.9090	9°5	...	...	+41°645	+46°217	-4	m	...	...
...	34°162	+53°898	-5	m	...	*	... 38°466	+38°771	1°00	46.9091	10°1	...	...	41°651	-49°739	-5	m	...	...
...	34°218	+50°479	-5	m	...	...	... 38°466	+22°525	-3	...	...	...	...	41°742	-49°100	-5	m	...	...
...	34°235	-38°449	0°70	...	...	...	... 38°522	+25°464	-5	m	...	...	...	41°810	+42°174	-4	...	...	...
...	34°274	+55°096	-5	m	...	...	... 38°595	+32°550	-5	m	...	...	...	41°819	+56°070	-1	...	...	...
*	+34°349	-50°450	1°15	47.8687	9°4	...	... +38°627	+24°321	-5	m	...	...	...	+41°862	+27°426	-5	m	...	...
*	34°373	-31°533	1°00	47.8685	10°0	...	... 38°656	-10°147	-5	m	...	...	...	41°912	-58°749	-5	m	...	...
...	34°407	+42°188	-5	m	...	...	... 38°672	+34°396	-5	m	...	...	...	41°940	+44°085	-5	m	...	...
...	34°528	-38°241	-5	m	...	*	... 38°707	-22°287	2°80	47.8693	8°6	...	...	41°950	+17°689	-4	m	...	...
*	34°697	-1°563	1°30	47.8686	9°5	*	... 38°710	-3°527	1°20	47.8692	9°6	...	...	42°057	-0°891	-5	m	...	...
1371	...	+34°741	+41°816	-5	m	...	1431	...	...	...	...	...	1491	...	...	...	...	...	...
...	34°951	-58°910	-5	m	...	...	... +38°742	+6°804	-5	m	...	...	...	+42°063	+56°651	-4	m	...	...
...	34°994	-30°420	-5	m	...	...	... 38°766	-34°563	-3	...	...	...	...	42°086	+28°178	0°70	...	...	...
...	35°005	+34°530	-5	m	...	...	... 38°819	-32°772	-5	m	...	...	...	42°088	+52°583	-4	...	...	...
...	35°019	+16°377	-2	...	...	...	... 38°851	+45°626	-5	m	...	...	...	42°155	-31°558	-5	m	...	...
*	+35°190	-31°954	1°00	47.8688	10°0	...	... +39°009	+6°941	-4	...	...	...	...	42°265	+38°215	-2	...	...	...
...	35°260	+44°319	-3	m	...	...	... 39°101	-22°403	-3	...	...	...	...	+42°429	+57°637	-5	m	...	...
S*	35°295	-41°859	2°90	47.8689	8°2	...	... 39°155	+26°939	-5	m	...	...	...	42°448	+33°536	-5	m	...	...
...	35°407	-50°204	-4	m	...	*	... 39°178	+30°859	2°90	46.9092	8°5	...	...	42°655	-46°303	0°90	...	...	...
...	35°545	+44°806	-5	m	...	...	... 39°318	+7°329	0°85	...	...	*	...	42°799	+25°347	1°00	46.9095	10°1	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
1501-1560																		
1501	+42·828	-22·460	0·90	o	...	1561	+47·019	-9·856	-5	m	...	1621	+50·738	+19·581	-5	m	...	
...	42·900	-9·612	-2	...	...	...	47·038	-42·062	-5	m	...	...	50·753	+38·907	-4	m	...
*	43·051	+51·782	1·70	46.9096	9·4	*	47·073	-19·494	0·95	...	...	...	50·782	-12·668	0·90	...	...
...	43·100	-20·453	-4	m	...	...	47·142	+45·014	-5	m	...	...	50·857	-7·286	-5	m	...
...	43·149	-21·999	-5	m	...	*	47·204	+32·772	1·40	46.9098	9·4	...	50·993	-39·456	0·95	...	...
...	+43·235	+3·535	0·90	...	...	...	+47·256	-51·922	-2	...	...	*	+51·064	+38·234	1·00	46.9105	10·1
...	43·360	+20·987	-5	m	...	*	47·387	-0·755	1·40	47·8699	9·5	...	51·149	-33·461	-2	...	...
...	43·382	-22·963	-5	m	...	*	47·514	-25·936	1·00	47·8700	10·1	...	51·278	-34·079	-5	m	...	
...	43·409	+29·318	-5	m	...	...	47·597	-37·471	-4	m	...	...	51·310	+45·559	-5	m	...
...	43·423	-8·538	0·90	...	...	...	47·763	+43·370	-5	m	...	...	51·314	-20·551	-5	m	...
1511	+43·452	+7·296	-5	m	...	1571	+48·039	+50·736	-5	m	...	1631	+51·342	+28·406	-5	m	...	
...	43·541	-11·208	-5	m	...	...	48·114	-21·697	-5	m	...	...	51·365	+21·783	-2	a	...
...	43·550	-9·364	-5	m	...	*	48·190	+31·177	1·40	46.9099	9·3	...	51·397	-6·348	-5	m	...	
...	43·827	+56·197	-4	m	...	*	48·200	+59·817	1·20	45.9078	9·8	*	51·406	-32·146	1·30	47·8706	9·4	
...	43·894	+21·690	-5	m	...	...	48·255	-38·972	-5	m	...	...	51·440	-36·215	0·70	...	...
...	+44·013	+46·896	-4	m	...	...	+48·272	-50·994	-4	m	...	...	+51·471	-36·802	-2	...	...
...	44·022	-26·098	-5	m	...	...	48·282	+52·554	-5	m	...	...	51·583	-11·389	-5	m	...
...	44·171	-48·695	-5	m	...	...	48·304	-35·162	-4	m	...	...	51·621	-12·691	-5	m	...
...	44·219	+14·203	-5	m	...	...	48·472	+19·023	-5	m	...	...	51·743	-51·102	-5	m	...
+	44·309	+34·957	1·10	46.9097	9·4	...	48·604	-31·400	-5	m	...	...	51·807	+5·831	-5	m	...
1521	+44·405	-12·038	-5	m	...	1581	+48·630	-34·711	-5	m	...	1641	+51·943	-5·770	0·90	...	...
...	44·434	+22·705	-2	...	...	...	48·662	-40·464	-4	m	...	...	51·966	-28·274	0·90	...	...
...	44·586	-23·957	0·85	...	...	...	48·827	-0·104	-5	m	...	*	52·003	+18·827	1·90	46.9106	8·9
...	44·713	-41·042	-5	m	...	...	48·896	-9·280	-5	m	...	...	52·061	-50·702	-1	...	...
...	44·746	-57·045	-5	m	...	...	48·898	-42·787	-5	m	...	...	52·297	+23·231	-5	m	...
...	+44·888	+19·216	-5	m	...	...	+48·907	-26·416	-5	m	...	...	+52·320	+4·866	-4	m	...
...	44·918	-31·377	-2	...	...	...	48·917	+17·144	-5	m	...	...	52·425	+5·774	-4	m	...
...	44·933	-30·048	-5	m	...	...	48·973	-34·208	0·90	...	...	...	52·574	+37·323	-5	m	...
+	45·134	+49·195	-5	m	...	*	49·264	+54·367	1·40	46.9100	9·4	...	52·603	-6·304	-5	m	...	
*	45·183	-46·077	1·00	47·8694	10·1	...	49·270	+54·653	-1	...	...	...	52·729	+35·169	-5	m	...
1531	+45·204	-40·378	-5	m	...	1591	+49·274	-49·098	1·50	47·8702	9·0	...	1651	+52·779	-26·501	-5	m	...
...	45·321	-9·323	-4	...	...	...	49·298	+10·372	-5	m	...	...	52·785	-47·516	-4	m	...
*	45·339	-46·768	1·00	47·8695	10·1	...	49·318	-19·234	-3	...	...	...	52·850	-23·174	-5	m	...
...	45·484	+7·371	-4	...	...	...	49·336	+54·256	-5	m	...	...	52·917	+22·990	-2	...	...
*	45·699	-36·748	-3	m	...	*	49·339	-13·173	1·00	47·8701	10·0	...	52·934	+10·867	-5	m	...	
*	+45·744	-29·586	1·00	47·8696	10·0	...	+49·363	+36·174	-4	m	...	†	+52·958	+25·007	-4	...	...
...	45·791	+2·874	0·70	...	...	...	49·410	+22·224	-1	...	...	...	53·004	-2·218	-5	m	...
...	45·955	-0·611	0·90	...	...	...	49·466	-14·706	-5	m	...	...	53·016	-3·380	0·90	...	...
...	45·979	-13·353	-5	m	...	...	49·574	-39·434	0·85	...	...	...	53·184	+15·140	0·80	...	...
...	46·096	+9·788	-3	...	...	...	49·620	+28·176	-5	m	...	...	53·257	-40·441	-1	...	...
1541	+46·207	+51·374	-4	m	...	1601	+49·641	-2·995	-5	m	...	...	+53·264	-17·077	-5	m	...
*	46·298	-48·761	1·20	47·8698	9·8	...	49·747	-36·620	-3	m	...	...	53·321	+25·146	-5	m	...
...	46·299	+26·337	-4	...	...	...	49·986	-42·406	-4	m	...	...	53·381	-32·954	0·95	47·8707	10·1
...	46·330	+5·295	-4	m	...	†	50·063	-19·226	1·10	47·8703	9·3	...	53·390	-4·162	-5	m	...	
...	46·362	+12·560	-5	m	...	†	50·124	+35·648	-5	m	...	...	53·419	-39·163	-2	b	...
S *	+46·381	-22·859	3·00	47·8697	8·1	...	+50·163	+18·549	-5	m	...	...	+53·477	+22·107	-4	m	...
...	46·453	+43·577	-5	m	...	*	50·201	-20·596	1·20	47·8704	9·6	...	53·538	-33·985	-5	m	...	
...	46·483	-32·238	-4	m	...	...	50·271	-14·089	-5	m	...	...	53·541	+36·027	-4	m	...
...	46·485	-25·235	-3	...	...	...	50·272	+1·667	-5	m	...	...	53·564	+23·667	-2	...	...
...	46·495	+15·930	-5	m	...	...	50·287	+22·534	-5	m	...	...	53·574	+27·506	-5	m	...
1551	+46·505	-30·752	-5	m	...	1611	+50·292	+47·131	1·35	46.9101	9·5	...	1671	+53·605	-6·059	-5	m	...
...	46·547	-7·683	-5	m	...	...	50·333	+17·583	1·00	46.9103	10·0	...	53·628	+44·206	-5	m	...
...	46·558	-10·834	-3	...	...	...	50·385	+42·703	1·45	46.9102	9·8	...	53·631	-6·483	-5	m	...
...	46·648	-5·715	-1	...	...	...	50·394	+40·286	-5	m	...	...	53·647	-55·626	-4	m	...
...	46·835	+11·049	-3	...	...	...	50·430	-59·681	-5	m	...	*	53·680	+11·191	1·00	46.9107	10·1
...	+46·848	+8·106	-5	m	...	*	+50·476	-10·271	1·00	47·8705	10·1	...	+53·682	-55·934	-5	m	...	
†	46·908	+49·945	-4	m	...	...	50·592	-24·174	-5	m	...	...	53·750	-11·213	-5	m	...
...	46·946	-39·944	-4	m	...	...	50·604	+5·298	3·00	46.9104	8·1	...	53·757	-0·075	-5	m	...
...	46·989	+5·434	-3	...	...	...	50·652	+29·779	-4	m	...	...	53·758	-18·869	0·70	...	...
...	46·990	+38·018	-5	m	...	...	50·706	-25·079	0·95	...	...	...	53·790	-36·923	0·95	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
1681-1710																	
1681	+53°8'39	-38°6'15	-5	m	...	1711	+55°9'48	-3°8'95	-5	m	...	1741	+58°1'41	-37°7'70	o·65	...	...
...	53°8'56	-24°1'87	-4	m	...	*	55°9'60	-57°8'84	3°00	47.8709	8·1	...	58°1'45	-16°0'82	-3	...	...
...	54°0'70	-9°7'04	-5	m	...	...	55°9'96	+20°2'32	-4	m	...	†	58°1'46	+54°9'30	-4	m	...
...	54°0'92	+43°4'87	-5	m	...	...	56°0'29	+51°5'32	-2	...	...	...	58°3'33	+36°0'85	1°00	...	...
*	54°0'96	-27°6'41	1°00	...	...	...	56°0'41	+17°3'92	-3	...	...	...	58°4'11	+25°7'25	-5	m	...
...	+54°1'46	-22°7'08	-4	m	...	...	+56°0'50	+31°6'60	-5	m	...	...	+58°5'04	-52°7'37	-1	...	...
...	54°1'74	-36°2'79	-2	...	...	...	56°0'55	+35°3'90	-5	m	...	...	58°5'18	-14°3'53	-4	...	...
...	54°2'23	-33°3'29	-5	m	...	...	56°1'97	-54°9'86	-5	...	...	...	58°6'12	+12°5'09	0°90	46.9114	10·1
...	54°2'95	+12°2'46	-4	...	...	*	56°2'36	-25°9'82	1°00	47.8708	10·1	...	58°6'15	-19°4'25	0°70	...	...
...	54°4'37	-8°0'40	-4	m	...	*	56°3'08	+59°3'76	1°10	46.9109	9·8	...	58°6'38	-52°2'68	-2	...	...
1691	+54°4'74	+55°8'68	-1	a	...	1721	+56°3'67	+10°6'22	1°00	46.9110	10·0	...	+58°6'46	-29°1'36	-1	...	...
	54°5'06	-0°5'31	-4	m	...	...	56°4'79	-4°0'69	-3	...	...	...	58°7'24	+47°6'91	-5	m	...
	54°6'51	-20°3'47	0°90	...	...	...	56°5'15	-39°5'62	-5	m	...	...	58°7'92	+23°6'42	-3	...	...
	54°6'95	+32°8'84	1°00	...	...	...	56°5'97	+29°4'83	-5	m	...	...	58°8'20	+22°2'45	-4	m	...
	N [54°7'20	-14°2'54	-5	...	...	...	56°8'45	-44°2'76	-1	...	...	...	58°8'58	-54°9'07	-5	m	...
	+54°7'70	-14°2'29	-2	...	...	...	+56°8'58	-59°0'37	-5	m	...	...	+59°0'15	+50°9'73	-3	m	...
	54°7'40	-30°0'09	-5	m	...	...	56°9'51	-21°1'75	-5	m	...	...	59°0'81	-46°1'89	-5	m	...
	54°8'36	-11°8'49	-4	...	...	...	56°9'77	-6°5'11	-4	...	...	...	59°2'03	+43°0'07	-2	...	...
	N 54°8'62	+6°8'97	0°90	...	...	...	57°0'06	-1°1'67	-3	...	...	...	59°3'27	+35°7'18	1°10	...	...
	* 54°8'78	+7°4'37	1°00	46.9108	10·1	...	57°0'71	-33°1'72	-1	...	...	...	59°5'00	-3°8'70	-4	m	...
1701-1731																	
1701	+54°8'86	+34°1'19	-5	m	...	*	+57°2'36	+39°1'24	1°40	46.9111	9·4	...	+59°5'45	+21°7'42	-5	m	...
...	54°9'27	-20°6'09	-5	m	...	...	57°5'52	+39°8'26	0°90	46.9112	10·1	*	59°6'63	-33°6'19	1°05	47.8710	10·0
...	54°9'42	+1°9'63	-5	m	...	...	57°6'24	+21°8'50	-4	...	...	...	59°7'16	+44°4'07	-5	m	...
...	55°6'24	-8°0'99	0°65	...	...	...	57°7'15	+18°6'18	0°90	...	...	...	59°7'76	-34°5'22	-2	...	...
...	55°6'36	+1°5'78	-5	m	...	...	57°8'26	-36°2'14	-1	...	...	...	59°8'23	-38°5'20	-5	m	...
†	+55°6'69	+49°8'75	-4	m	...	...	+57°8'33	+7°9'83	-5	m	...	...	+59°8'43	-36°5'26	-5	m	...
...	55°7'38	-42°0'48	-5	m	...	...	57°8'70	+9°6'43	-5	m	...	...	59°8'86	+48°4'53	-5	m	...
...	55°7'78	+27°2'86	-3	...	...	*	57°8'88	+30°8'01	1°00	46.9113	10·1	...	59°9'73	-40°2'44	-5	m	...
...	55°9'20	+33°6'28	-4	m	...	...	57°9'26	+30°5'64	-5	m	...	...	60°0'02	-0°0'54	-3	f	...
...	55°9'20	-30°4'27	-3	...	...	...	58°1'33	-46°7'26	-5	m	...	...			
1741-1769																	

1695, 1696. 47°·109, 48°·109, mass.

1699. Obscured by 2nd image of 1700; 2nd image measured and corrected.

1-20					21-40					41-60							
I	-59°2'16	+3°2'92	-5	o	...	...	-53°5'41	+47°0'83	1°15	46°9'01	9·5	...	-48°6'95	+32°9'82	-4	...	...
...	59°1'29	+34°7'24	1°10	46.9097	9·4	...	53°3'16	+42°6'62	-1	46°9'02	9·8	...	48°6'49	-50°6'45	-5	...	...
†	59°1'21	-9°8'52	-5	...	...	...	52°5'66	-13°2'19	0°80	47.8701	10·0	...	47°9'71	-18°7'78	-5	...	...
...	58°7'91	-22°7'06	-3	...	...	...	52°5'50	+17°5'52	0°75	46.9103	10·0	...	47°9'17	+59°4'99	-2	46.9109	9·8
...	58°6'16	-8°7'73	-5	...	...	...	52°4'88	+38°2'14	-3	46.9105	10·1	...	47°8'96	-32°8'59	-2	47.8707	10·1
...	-56°6'21	+2°7'16	-5	...	...	...	-52°2'60	-34°2'66	-4	...	...	N	-47°6'85	+7°0'13	-1	...	...
...	56°3'46	-0°7'58	-5	...	...	S +	51°8'72	+5°2'89	3°00	46.9104	8·1	...	47°6'85	+7°5'58	0°80	46.9108	10·1
*	56°1'73	+32°6'37	1°15	46.9098	9·4	*	51°6'54	-19°2'43	1°15	47.8703	9·3	...	47°3'71	-36°8'15	-2	...	...
...	56°0'33	+59°6'92	-3	45.9078	9·8	...	51°5'26	-10°2'87	0°70	47.8705	10·1	...	47°3'56	-27°5'29	-3	...	...
...	55°6'60	-46°2'37	-3	47.8694	10·1	*	51°4'82	-49°1'33	2°00	47.8702	9·0	N [	47°1'20	-14°1'04	-5	...	...
II	† -55°6'29	-29°7'24	-1	47.8696	10·0	31	-51°4'63	-20°6'07	0°95	47.8704	9·6	...	-47°0'32	-20°2'15	-3	...	...
...	55°4'84	-5°8'36	-5	...	...	51°1'52	-12°6'66	-5	...	...	...	46°4'49	-7°9'47	-5	...	...
...	55°4'82	-46°9'27	-3	47.8695	10·1	*	50°9'36	+18°8'55	1°70	46.9106	8·9	*	46°3'41	+39°2'88	1°25	46.9111	9·4
S *	55°1'99	-22°9'92	3°00	47.8697	8·1	...	50°8'22	-25°0'77	-4	...	...	46°3'06	+10°7'87	0°90	46.9110	10·0	
*	55°1'31	+31°0'71	1°25	46.9099	9·3	...	50°2'11	-5°7'28	-5	...	...	46°0'39	+40°0'19	-5	46.9112	10·1	
*	-54°9'18	-0°8'66	1°15	47.8699	9·5	...	-50°0'70	-39°4'35	-5	...	...	-45°4'28	+31°0'04	-3	46.9113	10·1	
...	54°7'93	+54°2'89	1°05	46.9100	9·4	*	49°9'10	-32°1'18	1°25	47.8706	9·4	...	45°2'73	-25°8'08	-2	47.8708	10·1
†	54°6'36	-19°6'13	-2	...	...	...	49°4'48	-28°2'25	-4	...	...	...	45°2'15	+18°8'15	-2	...	...
...	54°4'68	-48°8'80	-1	47.8698	9·8	...	49°2'10	-3°3'11	-4	...	...	...	45°1'57	+36°2'89	-3	...	...
...	53°9'84	-26°0'26	-2	47.8700	10·1	...	49°0'01	+11°2'62	0°70	46.9107	10·1	*	44°5'12	-57°7'17	3°00	47.8709	8·1

§ 10·8 = D, -5.

L measured from 1, 180, 345.

MC " " 84, 263, 446.

Stars marked R in column I were measured by H.P. in course of revision.

46. Obscures 2nd image of 47; 2nd image measured and corrected.

50. Mass. 47°·108, two stars; 48°·109, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	§.	No.	Mag.		x.	y.	§.	No.	Mag.		x.	y.	§.	No.	Mag.
61-120																	
61	-44°147	+35°955	-1	o	...	...	-32°488	+25°375	-4	o	...	...	-19°506	-24°213	-2	47°8727	10°1
...	44°135	+12°746	-3	46.9114	10°1	...	32°343	-46°435	0°90	47.8713	9°6	...	19°172	+10°848	-3	...	...
...	44°078	-44°053	-5	...	...	...	31°709	-39°132	-1	47.8714	10°1	S*	18°981	-9°497	1°90	47.8728	8°8
...	43°349	-35°978	-5	...	...	...	31°660	-39°954	0°80	47.8715	9°8	*	18°775	+57°782	1°90	46.9141	8°8
*	43°241	+35°442	1°40	46.9115	9°0	...	31°365	-42°974	-4	...	...	...	18°759	+38°462	-5	...	...
...	-42°988	-37°529	-4	...	...	...	-31°025	-58°908	-4	...	...	R	-18°681	+18°121	-4	...	...
*	42°795	+31°643	1°50	46.9116	9°0	S*	30°580	+31°610	-2	46.9129	10°1	...	18°549	-28°303	-5	...	...
...	42°758	-28°879	-5	...	...	*	30°567	-46°583	2°35	47.8716	8°4	R	18°245	+36°636	-5	...	...
...	42°309	+0°235	-4	...	...	...	30°042	-58°386	1°40	47.8717	9°4	...	18°081	-4°216	-5	...	...
...	42°156	+23°188	-5	...	...	...	30°042	-1°230	-4	...	...	...	17°974	+39°118	-5	...	...
71	121-180																
...	-42°134	-52°472	-5	...	...	...	-29°834	+27°638	-4	...	...	R	-17°861	-51°060	-5	...	...
...	41°927	+50°218	-3	...	...	+	29°777	-5°453	-5	...	...	...	17°742	-48°474	-1	47.8729	10°0
...	41°765	-14°947	-5	...	...	+	29°701	-22°190	1°50	47.8718	9°2	*	17°680	+1°790	1°90	46.9142	8°9
...	41°597	-33°321	-1	47.8710	10°0	...	29°150	-27°418	-5	...	...	...	17°654	-6°812	-5	...	...
...	41°486	-21°665	-5	...	...	...	29°093	-29°613	-3	...	...	...	17°582	-25°993	0°95	47.8730	9°8
...	-41°470	-34°221	-5	...	...	...	-28°980	+10°297	-5	...	...	...	-17°317	+25°766	-5	...	...
...	41°267	-24°524	-5	...	...	...	28°717	-29°259	-3	...	...	...	16°713	-54°425	-4	47.8731	10°1
...	41°211	+23°625	-1	46.9117	10°0	...	28°581	-56°469	-5	...	...	...	16°520	+25°461	0°85	46.9144	9°8
*	40°647	+27°504	1°40	46.9118	9°0	...	28°445	-37°986	-2	47.8719	10°1	...	16°299	+2 215	1°00	46.9143	9°6
...	40°644	-18°709	-4	...	...	S*	28°402	+40°659	2°00	46.9131	8°7	†	15°945	-24°759	-5	...	...
81	181-240																
...	-40°400	+43°024	-5	...	...	...	-28°401	-57°575	-5	...	...	201	-15°842	-28°739	-5	...	...
R	40°027	+13°305	-5	...	...	...	28°207	+1°754	-5	...	...	...	15°668	-14°626	-5	...	...
...	40°018	+42°647	-2	46.9119	10°1	*	27°624	-43°494	1°80	47.8720	8°8	...	15°453	+39°224	0°95	46.9145	9°8
...	39°344	+23°214	0°80	46.9120	9°6	*	27°219	-37°853	1°30	47.8721	9°0	...	15°105	+46°991	-5	...	...
...	38°821	+39°280	-5	...	...	...	27°136	+1°345	-4	...	...	S†	15°001	-31°833	3°20	47.8732	7°8
...	-38°613	-23°319	-5	...	...	...	-27°067	+28°829	0°80	46.9132	9°8	R†	-14°738	+40°445	-5	...	...
...	38°193	+28°031	-4	...	...	...	26°800	-39°004	-4	...	...	...	14°425	-29°659	-5	...	...
...	37°464	-17°789	-5	...	...	...	26°727	-36°669	-5	...	...	...	13°683	-43°587	-5	...	...
*	37°290	+30°369	0°95	46.9121	9°4	...	26°637	+38°262	-4	...	...	...	12°598	-19°331	-5	...	...
...	37°025	+22°163	-4	...	...	...	26°624	+53°438	-4	...	...	...	12°352	-25°792	-5	...	...
91	151-211																
...	-36°980	-15°549	-5	...	...	...	-26°291	-32°236	0°70	47.8722	10°0	...	-11°906	+43°170	-5	...	...
...	36°750	+1°315	-3	...	...	†	26°167	-34°782	-4	...	...	...	11°595	-28°064	0°80	47.8733	10°0
...	36°348	+47°777	-2	46.9122	10°0	...	25°954	+4°949	0°65	46.9133	9°8	...	11°417	-48°912	-5	...	...
...	36°278	+48°623	-2	46.9123	10°1	...	25°850	+0°874	-5	...	...	...	11°312	+39°717	-3	46.9146	10°1
...	36°175	+51°460	-5	...	...	...	25°750	+25°879	0°90	46.9134	9°6	R	11°310	+54°467	-5	...	...
*	-35°933	-15°363	2°00	47.8711	8°8	...	-25°468	+12°669	-5	...	...	...	-10°811	+57°558	-5	46.9147	10°1
...	35°608	+41°078	-2	...	...	†	24°793	+15°290	-3	46.9135	10°1	...	10°276	-36°610	-5	...	...
...	35°570	-36°774	-4	...	...	...	24°359	-47°932	-5	A	...	...	10°254	+58°807	-4	46.9150	10°0
*	35°558	+28°919	1°40	46.9124	9°0	...	24°182	+45°914	-2	...	...	...	10°172	+20°398	-5	...	...
...	35°384	-27°477	0°80	47.8712	9°8	...	24°168	+38°993	-2	46.9136	10°1	*	10°157	+48°779	1°05	46.9149	9°4
101	161-221																
...	-34°983	+3°048	-4	...	...	*	-24°132	+36°747	1°40	46.9137	9°0	S*	-10°073	+21°002	1°15	46.9148	9°2
...	34°959	+11°354	-4	...	...	...	23°826	-5°364	-4	...	...	...	10°062	-25°332	-5	...	...
...	34°844	-37°888	-5	...	...	†	23°430	-24°871	-3	...	...	...	10°052	-4°998	-1	...	...
...	34°721	-21°055	-5	...	...	...	23°146	-14°259	-1	47.8723	10°1	...	9°955	+29°436	-4	46.9151	10°1
...	34°623	-40°395	-4	...	...	†	22°982	+35°067	-4	...	...	R	9°817	+27°583	-5	...	...
...	-34°599	-51°704	-5	...	...	...	-22°916	+32°526	-4	...	...	...	-9°746	-31°681	1°00	47.8734	9°8
...	34°260	+54°817	-3	46.9126	10°1	...	22°187	-48°775	-5	...	...	*	9°662	-25°998	1°15	47.8735	9°5
...	33°897	+10°972	0°90	46.9125	9°6	†	22°129	+54°939	-3	46.9138	10°1	...	9°487	+17°345	-5	...	...
...	33°809	-21°525	-4	...	...	...	21°785	-41°203	-3	...	...	...	9°437	+41°718	-3	...	...
...	33°772	+38°193	-5	...	...	...	21°279	-20°339	0°90	47.8724	9°6	...	9°275	-22°194	-5	...	...
III	171-231																
...	-33°535	-34°138	-4	...	...	R	-21°222	+3°119	-5	...	...	...	-9°174	-16°086	0°95	47.8736	9°8
...	33°535	-16°684	-2	...	...	R	21°099	+4°359	-5	...	...	...	8°646	-16°508	-5	...	...
...	33°491	+13°143	-2	46.9127	10°0	...	21°056	+8°202	-2	46.9139	10°0	...	8°527	+7°649	0°75	46.9152	10°0
...	33°478	-17°750	-5	...	...	...	20°949	+17°073	-5	...	...	...	8°484	+28°927	-5	...	...
...	33°475	+38°056	-4	...	...	*	20°914	-30°794	1°40	47.8725	9°3	...	7°721	-59°442	-5	...	...
...	-33°387	-1°280	-4	...	...	...	-20°799	-54°963	-4	...	...	*	-7°359	+8°608	1°30	46.9153	8°8
...	33°372	+54°178	-2	46.9128	10°1	...	20°621	-44°002	0°90	47.8726	9°4	...	7°258	+27°762	-5	...	...
...	33°227	+3°555	-4	...	...	...	20°118	+32°318	-4	...	...	...	6°904	+21°018	-5	...	...
...	32°993	-13°179	-4	...	...	...	19°883	-37°586	-3	...	...	...	6°787	+1°443	1°00	46.9154	9°8
...	32°604	-0°294	-3	α	...	...	19°670	+19°822	1°10	46.9140	9°3	...	6°619	-4°185	-5	...	...

$$\frac{M}{\sin 8} = D, -5.$$

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		§.	No.	Mag.	x.	y.		§.	No.	Mag.	x.	y.	§.	No.	Mag.	
241-300																		
241	- 6·516	+ 55·916	2·60	46.9156	8·4	...	+ 7·458	- 28·467	- 5	◦	...	...	361	+ 22·688	- 29·687	- 5	◦	...
*	6·485	+ 6·619	- 3	46.9155	10·1	...	8·052	- 33·241	- 3	...	...	...	...	22·954	- 19·048	- 5	...	...
...	6·484	- 35·241	- 2	47.8737	10·1	...	8·962	- 38·480	0·90	47.8752	9·5	...	...	23·100	- 40·272	- 2	...	...
*	6·222	+ 13·489	1·15	46.9157	9·4	†	10·071	+ 44·915	- 3	...	...	...	...	23·192	- 35·900	- 2	47.8770	10·1
...	5·661	- 33·210	- 4	...	...	*	10·372	+ 16·027	1·20	46.9173	9·0	...	...	23·288	+ 43·398	- 5	...	...
†	- 4·735	+ 45·653	1·00	46.9160	9·6	...	+ 10·627	+ 39·595	- 4	...	...	...	...	+ 23·672	+ 56·924	- 5	...	...
...	4·632	+ 28·844	- 1	46.9159	10·1	...	10·707	- 31·680	- 4	...	...	...	...	23·755	+ 39·000	0·80	46.9189	9·8
*	4·513	+ 14·024	1·30	46.9158	9·2	...	11·228	- 48·353	- 4	...	...	R	23·795	- 2·317	- 5	...	...
...	4·332	+ 58·962	1·00	46.9161	9·6	...	11·320	+ 57·857	- 4	...	...	†	23·828	- 9·956	- 5	...	...
*	4·246	- 24·003	2·00	47.8738	8·7	...	11·349	- 35·526	- 1	47.8753	10·1	...	...	24·039	- 41·541	- 2	...	...
251	- 3·244	+ 4·720	- 2	...	...	...	+ 11·392	- 52·527	- 2	...	...	R	+ 25·044	- 5·884	- 5	...	...
...	3·025	- 26·435	- 5	...	...	...	11·498	- 5·262	- 4	...	...	...	...	25·295	+ 49·535	- 5	...	...
...	2·778	- 14·698	1·00	47.8739	9·6	...	11·614	- 3·038	- 4	...	...	...	...	25·490	- 45·373	- 5	...	...
...	2·746	- 1·649	- 5	...	...	...	11·756	- 52·758	- 2	...	...	...	...	25·821	+ 14·098	- 4	...	...
...	1·979	+ 31·428	- 5	...	...	...	11·989	- 5·194	0·85	47.8754	9·8	*	...	25·831	+ 48·279	2·10	46.9190	8·8
Nm	- 1·974	- 26·895	- 5	...	...	...	+ 12·516	- 11·930	- 5	...	...	...	...	+ 26·113	- 44·429	- 5	...	...
1·671	+ 0·510	- 2	46.9162	10·0	...	...	12·557	- 46·869	- 2	47.8755	10·1	...	...	26·316	- 14·352	0·80	47.8771	10·0
...	1·053	+ 35·388	- 5	...	...	...	12·758	+ 23·164	- 2	46.9174	10·0	...	...	26·816	- 4·572	- 5	...	...
*	0·713	- 44·478	1·25	47.8740	9·3	...	13·053	+ 40·065	- 3	...	...	R	27·151	+ 4·743	- 5	...	...
...	0·363	+ 14·824	0·90	46.9163	9·6	†	13·853	+ 39·850	4·00	46.9175	7·4	...	...	27·720	- 0·151	- 4	...	...
261	- 0·275	+ 42·779	0·85	46.9164	10·0	...	+ 13·947	- 12·639	- 2	47.8756	10·1	...	...	+ 27·942	+ 39·110	- 2	46.9191	9·8
...	- 0·081	- 22·891	1·00	47.8741	9·6	...	13·954	+ 47·936	- 2	46.9176	10·1	...	...	27·972	- 42·193	- 4	...	...
+	0·302	+ 42·620	1·10	46.9166	9·2	*	14·062	- 7·990	1·80	47.8757	8·9	...	...	28·443	+ 50·688	- 5	...	...
...	0·391	+ 27·816	- 3	46.9165	10·1	...	14·418	- 22·034	- 3	...	...	*	...	28·468	+ 8·516	1·40	46.9193	8·9
*	0·766	- 44·125	1·20	47.8742	9·3	...	14·501	+ 46·262	- 5	...	...	...	...	28·485	+ 14·255	1·00	46.9192	9·6
*	+ 0·932	+ 23·965	1·60	46.9167	8·9	...	+ 14·611	+ 9·794	0·75	46.9177	9·6	...	...	+ 28·532	- 26·692	- 2	...	...
...	1·038	- 1·048	- 3	47.8743	10·1	...	15·929	- 43·938	- 1	47.8758	9·8	...	...	28·567	- 39·520	- 3	47.8772	10·1
...	1·042	- 20·140	- 5	...	...	...	16·903	+ 20·507	- 1	46.9178	9·8	...	...	28·608	- 21·956	- 4	...	...
...	1·051	+ 42·161	- 5	...	...	...	16·935	- 52·736	- 4	...	...	...	...	28·702	- 3·718	- 5	...	...
...	1·236	+ 0·988	- 4	...	...	*	17·216	- 29·258	1·20	47.8759	9·2	...	...	28·793	- 15·375	- 3	...	...
271	+ 1·278	- 53·145	- 2	47.8744	10·0	S *	+ 17·399	- 4·534	1·80	47.8760	8·9	*	...	+ 28·899	+ 17·287	1·30	46.9194	9·2
...	1·403	+ 26·062	- 1	46.9168	9·6	...	17·606	- 45·987	- 2	47.8761	10·0	...	...	29·024	- 12·242	- 5	...	...
...	1·431	+ 47·548	- 4	...	...	...	17·797	- 37·944	- 3	47.8762	10·0	...	...	29·062	- 49·651	1·00	47.8774	9·8
...	1·480	+ 38·676	- 2	...	...	...	17·875	+ 55·753	- 5	...	...	...	...	29·083	+ 38·304	- 4	...	...
*	1·754	- 33·157	1·00	47.8745	9·2	R	18·036	- 45·061	- 5	...	...	*	...	29·139	+ 52·113	1·15	46.9195	9·4
*	+ 1·898	+ 2·120	1·20	46.9169	9·2	...	+ 18·457	+ 59·762	- 1	46.9179	9·6	...	...	+ 29·152	- 57·456	- 5	...	...
...	1·911	- 33·424	- 5	...	...	...	18·471	- 2·208	- 3	47.8763	10·1	...	...	29·168	- 17·697	- 3	...	...
...	2·439	+ 48·663	- 4	...	...	S *	18·602	- 58·895	3·00	47.8764	8·4	...	...	29·465	- 7·809	- 1	47.8773	10·1
...	3·328	- 0·221	- 1	47.8746	9·6	...	18·766	- 53·994	- 1	47.8765	10·0	...	...	30·237	- 9·254	- 2	47.8775	10·1
...	3·551	- 10·360	- 2	47.8748	10·0	...	18·926	+ 57·537	- 3	46.9180	10·0	...	...	30·312	+ 43·076	0·90	46.9196	9·8
281	+ 3·570	- 38·142	- 2	47.8747	10·0	...	+ 19·080	+ 1·126	- 2	46.9181	10·1	...	...	+ 30·464	- 50·994	1·00	47.8776	9·6
...	3·780	+ 6·040	- 4	...	...	*	19·320	+ 20·581	1·60	46.9182	8·9	...	...	30·527	- 44·503	- 5	...	...
*	3·803	- 47·450	1·20	47.8749	9·0	...	19·405	+ 11·381	0·90	46.9183	9·6	...	...	30·819	+ 28·219	- 5	...	...
...	3·830	+ 17·349	- 5	...	...	...	19·916	+ 56·294	- 5	...	...	...	...	30·922	+ 4·726	- 5	...	...
...	4·173	- 19·424	- 4	...	...	...	20·232	+ 9·740	- 2	46.9184	9·8	...	...	30·925	- 20·108	0·95	47.8777	9·6
...	+ 4·176	+ 52·877	- 2	46.9170	10·0	...	+ 20·477	- 30·175	- 5	...	...	...	...	+ 31·304	- 44·993	- 4	...	...
...	4·191	- 56·820	- 3	...	...	N	20·766	+ 29·000	0·90	46.9185	8·8	*	...	31·358	+ 37·542	- 5	...	...
...	4·706	- 12·178	- 5	...	...	N *	20·812	+ 29·094	2·00	46.9185	8·8	*	...	31·553	- 34·325	3·00	47.8778	8·0
...	5·339	- 9·506	- 5	...	...	...	20·842	- 57·305	- 5	...	...	...	...	31·888	- 59·405	- 5	...	...
...	5·633	+ 57·401	- 4	...	...	...	20·943	+ 40·901	1·00	46.9186	9·6	...	...	32·037	- 24·063	1·00	47.8779	9·6
291	+ 5·691	+ 31·372	- 5	...	...	*	+ 21·358	- 23·866	2·10	47.8766	8·6	...	...	+ 32·089	+ 6·012	- 5	...	...
†	5·897	- 29·786	- 1	47.8750	9·8	...	21·419	+ 32·524	- 3	46.9187	10·1	...	...	32·247	+ 37·380	- 5	...	...
...	6·153	- 54·024	- 2	47.8751	10·0	...	21·502	+ 32·534	- 3	46.9187	10·1	...	...	32·359	- 51·749	1·00	47.8780	9·6
...	6·322	- 15·867	- 5	...	...	...	21·558	+ 50·773	- 4	...	...	...	...	32·410	- 53·769	- 4	...	...
†	6·508	+ 59·913	- 2	46.9171	10·0	*	21·783	- 23·803	1·20	47.8767	9·2	...	...	33·048	- 53·897	- 5	...	...
...	+ 6·580	+ 10·822	- 4	...	...	...	+ 21·852	+ 58·106	- 1	46.9188	9·6	...	...	+ 33·336	+ 6·024	- 5	...	...
...	6·639	- 2·556	- 2	...	...	...	22·049	+ 8·168	- 5	...	...	...	...	33·603	+ 42·004	1·00	46.9197	9·6
...	6·744	+ 36·385	- 4	...	...	...	22·227	- 0·351	- 2	47.8768	10·1	*	...	33·761	+ 10·863	1·00	46.9198	9·6
...	7·332	+ 5·658	- 3	...	...	...	22·528	+ 51·798	- 5	...	...	...	...	34·398	+ 21·041	- 5	...	...
*	7·367	+ 16·836	1·60	46.9172	8·8	*	22·660	- 10·576	1·15	47.8769	9·3	...	...	34·633	+ 41·969	- 5	...	...

^M § 10·8 = D, - 5.
257. Beyond

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	§	No.	Mag.		x.	y.	§	No.	Mag.		x.	y.	§	No.	Mag.	
421-460																		
421	+34.652	-57.182	1.00	47.8781	9.4	461	+44.019	-15.712	-5	...	...	501	+52.653	+56.356	-2	46.9218	9.8
...	34.849	-43.978	-5	...	...	...	44.084	-30.822	-5	...	...	...	* 52.906	-9.385	1.90	47.8800	8.7
...	35.201	-24.791	-3	47.8782	10.1	...	44.762	-43.233	-2	47.8787	10.1	...	53.085	+58.433	-2	46.9219	9.6	
...	35.218	-30.656	-3	...	...	...	45.009	+34.420	-4	...	...	...	53.195	+45.590	-4	...	...
...	35.378	-14.467	-2	47.8783	10.1	...	45.102	+4.698	0.75	46.9211	9.6	...	53.249	+20.233	-4	...	...
...	+35.489	+7.760	-5	...	...	...	+45.238	+28.739	-5	...	...	...	+53.369	-33.886	-4	...	...
...	35.583	+12.404	-4	...	...	S *	45.251	-25.529	2.30	47.8788	8.4	...	53.475	-14.814	-5	...	...
...	35.833	+43.278	-5	...	...	...	45.406	+12.218	-5	...	...	...	53.776	-4.817	-3	...	...
*	36.065	+25.294	1.30	46.9199	8.9	...	45.450	-5.091	-5	...	...	...	54.080	-9.281	-3	...	...
...	36.290	+8.404	-5	...	...	...	45.829	-44.499	-3	47.8789	10.1	...	54.179	+50.772	-1	46.9220	9.6
431	+36.403	-24.399	-5	R	...	471	+46.005	-51.510	-3	47.8790	10.0	511	+54.203	-28.490	-3	...	...
...	37.184	+39.086	-5	46.9200	10.1	...	46.086	+6.377	0.70	46.9213	9.6	...	54.460	+4.985	2.00	46.9221	8.6	
...	37.850	+11.612	-3	46.9201	10.1	*	46.090	+53.380	1.70	46.9212	8.9	...	54.831	-37.261	-1	47.8801	9.8	
...	38.188	-23.351	-4	R	...	...	46.655	+47.338	0.90	46.9214	9.6	...	55.004	-7.999	-4	...	...
...	38.227	-8.901	-3	...	...	...	46.696	-29.087	-3	47.8791	10.1	...	55.649	+33.538	-1	46.9222	10.0
...	+38.578	-27.523	-5	...	...	...	+46.798	-21.422	0.75	47.8792	9.8	...	+56.124	-36.187	-2	47.8802	10.0
*	39.151	+56.445	4.00	46.9202	7.8	...	47.090	+34.251	-3	...	...	...	56.239	-17.125	-4	...	...
*	39.392	+51.386	1.30	46.9203	9.0	*	47.186	+8.417	1.00	46.9216	9.3	...	56.429	-24.605	-2	...	...
...	39.444	+15.623	-4	...	...	...	47.257	-18.978	-5	...	...	...	56.691	-57.200	-4	47.8803	10.1
...	39.518	-9.555	-5	...	...	...	47.317	+58.084	-1	46.9215	9.6	...	57.112	+23.816	-2	46.9224	10.0
441	+39.574	-1.401	-5	...	...	481	+47.391	-40.852	-5	...	...	521	+57.340	-51.444	0.95	47.8804	9.4
...	39.718	+13.737	-4	...	...	...	48.095	+38.365	-5	...	...	...	57.351	+52.025	-2	46.9223	9.8
...	39.931	+42.241	-1	46.9204	10.0	...	48.233	+2.826	-3	...	...	...	57.413	+8.693	-3	...	...
R †	40.200	+20.010	-5	46.9205	10.1	...	48.815	-42.358	-1	47.8793	9.6	...	57.616	+9.702	-2	46.9225	10.0	
NR †	40.321	+19.976	-5	46.9205	10.1	...	48.847	+7.359	-5	...	...	...	57.708	+30.350	-5	...	...
...	+40.383	-9.317	0.85	47.8784	9.6	...	+49.144	-37.164	-3	...	...	...	+58.112	-31.460	-5	...	...
...	40.721	+57.317	-3	46.9206	10.0	...	49.467	-58.594	-5	...	...	...	58.283	+43.997	-4	46.9226	10.0
†	41.089	+34.897	-5	...	...	...	49.501	+43.628	-4	...	...	...	58.771	-31.109	1.60	47.8805	9.0
...	41.197	+36.948	-3	...	...	*	50.127	-40.187	1.60	47.8794	8.9	...	58.786	+28.288	-3	46.9228	10.1
...	41.214	-34.535	-5	...	...	...	50.562	-40.577	-2	47.8796	10.0	...	59.003	+52.677	1.50	46.9227	8.9
451	S *	+41.253	+24.621	3.10	46.9207	7.4	491	+50.706	+9.193	-4	531	+59.468	+57.386	-4	46.9229	9.8
...	41.325	-40.056	-5	...	...	...	50.793	+36.227	-4	...	...	...	59.579	-17.084	-2	...	...
†	41.452	-19.966	-4	...	...	...	50.797	-18.516	-2	47.8795	10.0	...	59.581	-55.829	-4	...	...
...	41.933	+27.999	-2	46.9209	10.1	...	50.928	-50.574	-4	47.8798	10.1	...	59.657	+39.430	-4	...	...
...	42.111	+30.774	0.90	46.9208	9.5	...	51.115	-12.796	-1	47.8797	9.8	...	...	...	...	...	...
...	+42.226	-35.250	-2	47.8785	10.0	...	+51.305	+30.946	-5	...	...	...	...	...	...	...	...
...	43.338	-4.500	-2	47.8786	10.1	...	51.761	+12.498	0.65	46.9217	9.6	...	...	...	...	...	...
...	43.741	+14.025	-5	...	...	...	51.977	+32.287	-4	...	...	...	...	...	...	...	...
*	43.768	+51.342	1.40	46.9210	9.2	S *	52.080	-54.215	2.60	47.8799	8.4	...	...	...	...	...	...
...	43.820	+12.127	-5	...	...	...	52.368	+5.305	-4	...	...	...	...	...	...	...	...

§ 10.8 = D, - 5.
445. Very faint.

—47° No. 110 D,—1 1905.47 18^b 15^m

1-10						11-20						21-30					
I	-59.710	-40.339	-4	0	...	II	-58.614	+51.297	-5	0	...	21	-57.384	+4.506	1.05	+6.9211	9.6
...	59.621	+21.205	-2	...	...	...	58.422	+34.220	-1	...	...	...	57.317	+12.045	0.70	...	...
...	59.564	+15.705	0.70	...	...	...	58.311	-33.915	-5	...	...	...	57.265	-31.031	-2	...	...
...	59.208	-29.998	-5	...	...	...	58.081	-11.705	-5	...	...	...	* 57.180	+47.171	1.40	46.9214	9.6
...	59.064	+14.450	-3	...	...	...	58.063	-25.578	-4	...	...	...	57.104	+25.805	-4	M	...
...	-59.052	+13.782	-2	...	...	...	-58.019	+28.532	-2	...	...	...	-57.025	-14.454	-5	...	...
...	59.013	+21.660	-2	...	...	*	57.929	+53.185	2.00	46.9212	8.9	...	56.954	+5.364	-3	...	...
*	58.985	-35.514	1.00	47.8785	10.0	...	57.811	-15.927	-3	...	...	...	56.936	+39.781	-5	...	...
...	58.902	+11.885	0.70	...	...	...	57.707	-33.276	-5	...	...	...	56.906	-28.891	-5	...	...
+	58.853	-4.732	0.90	47.8786	10.1	...	57.694	+2.585	-5	M	...	...	56.861	+57.927	1.25	46.9215	9.6

L measured from 1, 236, 492, 688, 871, 1122.
MC " " 102, 363, 570, 772, 995, 1234.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
31-90																		
31	-56°724	-5°269	-2	o	...	91	-50°814	-12°793	1°00	47.8797	9°8	151	-46°080	+31°527	-5	°M	...	
...	56°613	-18°718	-5	...	...	...	50°593	+45°643	-1	...	...	...	46°063	-1°368	-3	...	...
...	56°587	+42°709	-5	...	...	...	50°480	+26°996	0°75	...	...	...	46°053	-44°844	-5	M	...
...	56°476	+34°235	-5	M	...	*	50°467	-40°577	1°00	47.8796	10°0	*	45°990	+23°991	0°80	46.9224	10°0	
*	56°451	+6°223	1°00	46.9213	9°6	...	50°382	+39°081	-5	M	...	...	45°902	-40°840	-5	M	...
...	-56°331	+34°105	0°90	...	...	...	-50°368	-7°203	-3	...	...	...	-45°811	+21°723	-5	M	...
S*	56°254	-25°703	2°00	47.8788	8°4	...	50°322	+10°268	-2	...	...	...	45°601	+26°078	-4	M	...
...	56°224	-41°984	-5	M	...	†	50°197	+30°092	-5	M	...	...	45°600	+30°554	-2	...	...
...	56°189	-43°408	-1	47.8787	10°1	...	50°190	-31°216	-5	...	...	...	45°585	-58°799	-3	...	...
...	56°110	+12°730	-2	...	...	...	50°153	+5°352	0°70	...	...	...	45°555	-16°950	-1	...	...
41	-55°987	+8°267	-5	M	...	101	-50°097	-6°095	-5	M	...	161	-45°447	+44°208	0°65	46.9226	10°0	
...	55°886	-25°847	-5	...	...	...	49°793	-50°555	0°70	47.8798	10°1	...	45°278	-17°199	-3	...	...
...	55°644	+19°181	0°70	...	...	*	49°784	+50°842	0°95	46.9220	9°6	...	45°211	+8°898	-1	...	...
...	55°615	-2°716	-5	...	...	...	49°741	+20°293	-1	...	...	...	45°128	-24°408	0°65	...	...
...	55°471	+38°243	-3	...	...	...	49°642	-53°411	-4	...	...	...	45°066	-36°002	0°80	47.8802	10°0
...	-55°447	+0°405	-4	...	...	...	-49°609	-7°973	-5	...	...	...	-45°046	+9°915	0°75	46.9225	10°0
*	55°421	+8°288	1°25	46.9216	9°3	...	49°594	-14°830	-5	M	...	...	45°043	-7°718	-5	...	...
†	55°093	-44°633	-1	47.8789	10°1	...	49°483	+11°611	-5	M	...	...	45°004	+52°897	1°60	46.9227	8°9
*	54°854	-21°549	1°00	47.8792	9°8	...	49°367	+42°213	-5	M	...	...	44°981	-28°396	-5	M	...
...	54°798	+21°801	-5	M	...	†	49°217	+20°197	-3	...	...	...	44°710	+57°630	0°90	46.9229	9°8
51	-54°701	-29°200	0°90	47.8791	10°1	...	49°162	+5°636	-4	M	...	171	-44°670	+3°561	-5	M	...	
...	54°685	-51°644	-1	47.8790	10°0	...	49°129	+18°631	-5	M	...	...	44°474	+28°515	0°65	46.9228	10°1
...	54°500	+34°923	-3	...	...	*	49°117	-9°331	1°00	47.8800	8°7	...	44°445	-54°965	-2	...	...
...	54°474	-19°087	0°70	...	...	...	48°828	-19°431	-2	...	...	...	44°409	+24°241	-4	M	...
...	54°344	+1°995	-3	...	...	...	48°770	+25°307	-5	M	...	...	44°216	-9°372	-3	...	...
...	-54°245	+43°557	-1	...	...	...	-48°739	-12°620	-3	...	...	...	-44°122	-57°988	-4	...	...
...	54°198	+2°733	0°80	...	...	...	48°666	+34°554	-4	M	...	...	44°101	+25°934	-5	M	...
...	53°823	+22°603	-5	M	...	...	48°592	-31°739	-4	M	...	...	44°038	+43°368	-1	...	...
...	53°726	+7°291	0°65	...	...	...	48°552	+16°260	-4	M	...	...	43°954	+39°682	-1	...	...
...	53°665	+30°003	-5	M	...	...	48°528	+1°017	-4	...	...	...	43°861	-32°885	-4	...	...
61	-53°641	-40°950	-3	121	S*	-48°515	-54°149	2°00	47.8799	8°4	181	-43°817	-56°988	-1	47.8803	10°1
...	53°577	-36°345	-5	M	...	...	48°507	+30°008	-4	M	...	...	43°593	+14°882	-4	...	...
...	53°422	+20°361	-5	M	...	...	48°435	-33°557	-4	...	...	...	43°397	+51°804	-4	M	...
...	53°401	+30°749	-3	...	...	†	48°413	-4°716	0°65	...	...	...	* 43°368	-51°220	1°00	47.8804	9°4
...	53°049	+56°379	-5	...	...	†	48°388	-14°722	-2	...	...	...	43°223	-31°220	-2	...	...
...	-52°997	+11°693	-4	M	...	...	-48°065	-54°424	-4	M	...	...	-43°167	-0°052	-4	M	...
...	52°904	+40°934	-5	...	...	*	48°022	+5°092	2°00	46.9221	8°6	...	43°158	+22°890	-3	M	...
...	52°684	+36°201	-1	...	...	...	47°966	-9°188	0°75	...	...	...	43°040	-57°458	-5	M	...
...	52°344	+22°080	-5	M	...	...	47°897	-33°800	-1	...	...	...	43°025	-22°023	-3	...	...
...	52°183	+47°287	-5	M	...	...	47°888	+42°142	-2	...	...	...	43°012	+3°013	-5	M	...
71	*	-52°166	-42°407	1°00	47.8793	9°6	131	-47°755	+33°669	0°90	46.9222	10°0	191	-42°958	+40°507	-3
...	52°068	-17°723	-5	...	...	...	47°754	+24°639	-5	M	...	...	42°819	+53°874	-1	...	...
...	52°016	+30°932	0°70	...	...	...	47°665	+8°928	-4	M	...	...	42°807	-32°847	-5	M	...
...	52°003	-37°209	0°90	...	...	...	47°225	-28°362	-1	...	...	...	* 42°579	-30°846	1°50	47.8805	9°0
...	51°990	-35°686	-5	M	...	...	47°079	-7°869	-1	...	...	...	42°461	-42°878	-4	M	...
...	-51°927	+9°179	0°70	...	...	...	-47°009	-12°442	-5	M	...	...	-42°414	+23°786	-2	...	...
...	51°655	+55°640	-5	...	...	...	46°952	-37°442	0°90	...	...	...	42°220	+3°938	-2	...	...
*	51°465	+56°386	1°05	46.9218	9°8	...	46°899	-13°475	-4	...	...	...	* 42°219	-16°798	0°80	...	...
...	51°391	+32°301	0°85	...	...	...	46°846	-13°585	-5	...	...	...	42°096	+47°890	-4	M	...
...	51°339	+48°899	-4	M	...	...	46°833	+8°191	-3	...	...	...	42°064	+54°963	-5	M	...
81	*	-51°129	+34°842	-5	M	...	141	-46°780	-2°065	-5	...	...	-42°042	+20°961	-3	...	...
*	51°106	+58°461	1°05	46.9219	9°6	*	46°640	+52°203	0°90	46.9223	9°8	...	41°955	-44°045	-4	M	...	
...	50°989	-58°609	-3	...	...	...	46°607	-48°161	-5	...	...	...	41°831	-7°734	-5	...	...
...	50°980	-31°882	-5	M	...	...	46°329	-12°998	-4	...	...	...	41°653	-18°487	-3	...	...
*	50°979	+12°519	1°00	46.9217	9°6	...	46°328	-8°235	-4	...	...	...	41°407	+52°242	-1	...	...
...	-50°971	+22°513	-2	...	...	*	-46°323	-37°121	0°90	47.8801	9°8	...	-41°247	-24°086	-4	...	...
*	50°946	-18°507	1°00	47.8795	10°0	...	46°306	-47°862	-2	...	...	...	41°242	+57°617	-4	...	...
*	50°927	-40°201	1°50	47.8794	8°9	...	46°306	-28°389	-4	...	...	...	41°231	-34°011	-4	...	...
...	50°918	-48°138	-5	...	...	...	46°288	+50°868	-4	...	...	...	41°123	+43°872	-1	...	...
...	50°852	+41°003	-5	M	...	...	46°238	+11°713	-4	...	...	...	41°059	+5°810	-4	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.	Mag.	
211-270																		
211	-41°044	+59°757	-2	o			271	-37°563	+29°973	-2	o		331	-32°884	+29°696	-2	o	
...	40°976	-55°512	0°75				...	37°516	+5°079	0°65			...	32°869	-2°335	0°85		
...	40°941	-17°201	-3				...	37°501	-49°229	0°95	47.8810	10°0	...	32°865	+34°015	-5	M	
...	40°940	+57°651	-3				...	37°373	+10°031	-5	M		...	32°800	+43°322	-5	M	
...	40°938	-31°117	-4				...	37°328	-56°116	-4			...	32°542	-35°453	-5		
...	-40°936	-5°424	0°65				...	-37°327	-14°482	-5			...	-32°365	+16°697	-1	D	
...	40°931	-42°467	-4	M			...	37°315	+25°896	-5	M		...	32°245	-31°068	1°05	47.8814	9°3
...	40°885	-7°610	-3				...	37°307	-40°884	-4			...	32°207	-11°880	-5		
...	40°812	-22°481	-2				*	37°296	+24°707	1°10	46.9232	9°2	...	32°174	-29°490	-5	M	
...	40°807	+16°226	-5	M			...	37°293	-24°325	-5	M		...	31°628	+6°581	-5	M	
221	-40°775	+38°608	-3				281	-37°272	+57°245	2°00	46.9234	8°8	341	-31°308	+53°050	-2		
...	40°687	+30°783	-4				*	36°929	-45°023	1°05	47.8811	9°6	...	31°303	+2°242	-2	A	
...	40°657	+30°249	-5	M			...	36°821	-46°345	0°95			...	31°287	+42°153	0°75		
...	40°639	-55°730	-4				*	36°725	+7°403	0°95	46.9233	10°0	...	31°177	+43°224	-2		
...	40°623	-51°118	-3				...	36°598	-53°144	-5	M		...	31°093	-45°211	-5	M	
...	-40°610	-31°187	-4				...	-36°463	+4°238	0°75			...	-31°060	-5°253	-5	M	
...	40°590	-41°624	-5	M			*	36°456	+27°813	1°90	46.9235	8°8	...	30°982	-12°242	0°75		
...	40°583	-20°257	-4	M			...	36°420	+3°828	0°85			*	30°963	-16°343	1°20	47.8816	9°4
...	40°237	-36°895	0°65				...	36°320	+10°321	-5	M		...	30°895	+7°846	-2		
...	40°235	+49°267	-3				...	36°201	-47°597	-5	M		...	30°887	+3°418	0°70		
231	-40°175	+15°404	-4	M			291	-36°185	-24°133	-4			351	-30°832	-11°173	1°40	47.8817	9°4
...	40°164	+30°650	-2				...	36°181	-10°191	-2			...	30°783	-26°701	-5		
...	40°093	+42°245	-4	M			*	35°950	+22°948	0°90	46.9236	10°0	...	30°781	-48°162	-5		
...	40°064	-10°247	-1				...	35°934	+31°450	0°65			...	30°712	+13°917	-5	M	
†	40°028	-10°514	0°90	47.8806	9°8		...	35°880	+2°212	0°65			...	30°701	-7°592	-5		
...	-39°943	-18°056	-5	M			...	-35°879	+17°901	-5	M		*	-30°685	-53°190	1°20	47.8815	9°3
...	39°801	-17°169	0°80				...	35°730	+16°190	0°85			...	30°657	+3°669	-4	M	
...	39°747	+8°328	0°75				...	35°660	+21°391	-4			...	30°456	+3°437	-5	M	
...	39°702	+8°467	-5	M			...	35°655	+31°285	0°65			...	30°283	-57°479	0°90		
...	39°680	-8°632	0°85				...	35°602	+28°796	0°85	46.9237	10°1	...	30°266	+39°075	0°90		
241	-39°670	+32°065	-5	M			301	-35°556	-15°398	-4			361	-30°213	-41°360	-2		
...	39°597	-10°499	-3				...	35°497	+43°638	-4			...	30°088	+10°779	-5	M	
...	39°524	+53°740	-2				...	35°494	-46°880	0°75			...	29°911	-1°376	-4		
...	39°502	-10°329	0°90				...	35°421	-5°513	-5	M		...	29°809	+46°773	-2		
...	* 39°393	+41°081	1°00	46.9230	10°0		...	35°413	+44°918	-3			...	29°748	+43°140	-5	M	
...	* 39°349	-34°268	2°10	47.8807	8°4		...	-35°411	-6°291	-2			...	29°740	+22°452	-5	M	
...	39°339	+1°739	0°75				...	35°192	-40°457	-3			...	29°738	-16°276	-5		
...	39°279	-11°245	0°80				*	35°167	-33°917	0°90	47.8812	10°0	...	29°592	-30°529	-2		
...	39°252	+37°184	-2				*	35°115	+19°379	1°20	46.9238	9°2	*	29°586	+7°469	0°90	46.9240	9°6
...	39°230	-8°636	-3				...	34°956	-57°800	-4			...	29°540	-1°996	-4		
251	* -39°121	-36°244	1°45	47.8808	9°0	*	311	-34°793	-21°801	0°90	47.8813	10°0	371	-29°525	+52°751	-1		
...	39°085	-34°828	0°80				...	34°663	+47°698	-2			...	29°482	+30°736	-3		
...	38°985	-17°284	-4				...	34°630	+51°860	-5	M		...	29°456	+3°492	-5		
...	38°939	-39°920	-3				...	34°609	+56°927	-5	M		*	29°291	-24°892	0°75	47.8818	10°1
...	38°935	-30°255	-5	M			...	34°521	-13°740	-5			*	29°153	-14°660	0°95	47.8819	9°6
...	-38°847	-6°868	-5	M			...	-34°515	-34°267	-4	M		...	-29°046	-40°030	-5		
...	38°808	+8°379	-3				...	34°381	-10°276	-5			...	29°027	-26°519	-5		
...	* 38°784	+25°246	1°15	46.9231	9°3		...	34°359	+48°271	-4			...	29°004	+26°407	-5	M	
...	38°766	-5°314	-5	M			...	34°130	-0°292	0°65			...	28°958	+29°048	-4	M	
...	38°697	+34°951	-4	M			...	34°111	+7°487	-5	M		...	28°932	+13°000	-4		
261	-38°593	+38°428	0°90				321	-34°016	-14°200	-2			381	-28°893	-26°865	-2		
...	38°389	+11°208	-5	M			...	33°918	+30°334	0°70			...	28°704	-29°278	-4		
...	* 38°363	-46°044	1°00	47.8809	10°1	*	...	33°786	+32°052	1°00	46.9239	9°6	...	28°567	+30°013	0°65		
...	38°084	-12°662	-5				...	33°677	+25°353	-5	M		*	28°492	+29°138	1°90	46.9241	8°7
...	37°779	-7°575	0°85				...	33°611	+50°063	0°65			...	28°490	+41°406	-4	M	
...	-37°777	-6°942	-3				...	-33°536	-32°153	-4	M		...	-28°472	+16°876	0°65		
...	37°777	-22°692	0°70				...	33°482	-20°237	0°80			...	28°319	-29°868	-3		
...	37°760	-35°647	-1				...	33°215	-35°376	-2			...	28°296	-37°877	-3		
...	37°670	-26°124	-5				...	33°129	-56°224	0°90			...	28°241	-13°622	-5		
...	37°633	-52°143	-2				...	33°016	+1°456	0°70			...	28°184	+59°639	-4	M	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
391-450																	
39 ^I	-28°166	+15°467	-5	M	...	45 ^I	-23°271	-47°624	-5	M	...	51 ^I	-17°650	+23°170	-3	...	...
*	28°102	+54°637	0°95	46.9242	9°8	...	23°248	+52°221	-5	M	...	...	17°600	-42°611	0°75	...	...
...	27°923	+58°307	-2	...	...	...	23°088	+48°443	-5	M	...	...	17°280	+19°641	-4	...	...
†	27°895	-29°775	-4	...	...	...	22°943	-12°480	1°00	47.8822	9°6	...	17°237	+21°603	-5	...	...
...	27°613	+9°136	-4	...	...	...	22°916	+49°905	1°40	46.9250	9°2	...	17°126	+6°573	-2	...	...
...	-27°602	+59°505	-2	...	...	...	-22°541	-32°356	-1	...	...	...	-16°793	+27°709	-3	...	...
...	27°589	-50°450	-5	M	...	S *	22°485	-24°892	3°10	47.8823	7°8	...	16°785	-35°796	-5	M	...
...	27°588	+53°529	-3	M	...	*	22°469	+4°402	1°30	46.9249	9°3	...	16°630	-18°694	-4	...	...
...	27°371	-11°927	-4	...	...	...	22°348	+39°712	-3	...	...	...	16°581	+3°363	-5	...	...
...	27°342	-2°631	-4	...	...	...	22°295	-41°849	-4	...	...	*	16°507	+33°670	1°05	46.9256	9°6
40 ^I	46 ^I					52 ^I					53 ^I					47.8829	
*	-27°297	+9°725	0°80	46.9243	10°1	...	-22°255	+20°187	-4	...	...	...	-16°480	-13°804	-5	...	...
*	27°291	-17°715	1°00	47.8820	9°4	*	22°079	+53°408	0°90	46.9251	9°6	...	15°869	+29°097	-4	...	...
*	27°291	+30°686	0°80	46.9244	9°8	...	22°077	+56°840	-3	...	...	...	15°744	-31°962	-5	...	...
...	27°231	+5°993	-5	M	...	...	22°062	+19°555	-5	...	...	...	15°613	-44°990	0°80	...	...
...	27°015	+44°152	-4	M	...	...	22°000	-43°452	-3	...	...	...	15°586	+39°167	-5	M	...
...	-26°928	+26°500	-4	M	...	...	-21°891	+5°265	-4	...	...	...	-15°577	+21°372	0°85	...	...
*	26°720	+31°080	2°10	46.9245	8°4	...	21°850	+52°651	-3	...	...	*	15°336	-33°643	0°95	47.8829	10°0
†	26°502	+0°167	-4	...	...	+	21°837	+35°052	-3	...	...	+	15°080	-10°998	-5	...	...
...	26°502	+7°665	-5	M	...	*	21°801	-45°750	0°90	47.8824	10°0	+	15°006	+46°971	-4	...	...
†	26°462	-29°884	-5	M	...	*	21°760	+36°511	1°50	46.9252	8°9	...	14°948	+42°920	0°65	...	...
41 ^I	47 ^I					53 ^I					54 ^I					46.9257	
...	-26°450	+3°122	-5	M	...	...	-21°746	+21°448	-4	...	...	...	-14°892	-22°907	-5	...	...
...	26°428	-41°410	-5	M	...	...	21°631	+53°768	-5	M	...	...	14°818	+19°139	-5	M	...
S *	26°408	+43°654	3°00	46.9246	8°0	*	21°600	-39°339	0°80	47.8826	10°0	...	14°549	+11°863	-5	M	...
...	26°227	-12°777	-2	...	...	...	21°596	+35°833	-5	M	...	...	14°543	+23°183	-4	...	...
...	26°121	-24°114	-1	...	...	...	21°561	-44°008	0°80	47.8825	10°0	*	14°479	+0°852	1°00	46.9257	9°8
...	-26°084	-4°844	-5	...	...	...	-21°525	+46°739	-5	M	...	...	-14°276	+18°281	0°70	...	...
...	26°072	-28°059	-4	...	...	...	21°514	+28°596	0°65	...	...	*	14°081	+26°632	1°00	46.9258	10°0
...	25°995	-48°063	-4	...	...	...	21°499	-20°147	-3	...	...	...	14°075	+30°775	-5	M	...
...	25°955	+12°541	-4	M	...	*	21°423	+22°085	0°90	46.9253	9°6	*	13°972	+13°026	1°00	46.9259	9°5
*	25°920	-20°548	1°40	47.8821	9°2	...	21°381	+12°130	-1	...	...	...	13°955	+32°311	-3	...	...
42 ^I	48 ^I					54 ^I					55 ^I					47.8830	
...	-25°853	-33°440	-1	...	...	...	-21°277	-28°806	-5	...	...	...	-13°822	-47°153	-4	...	...
*	25°748	+55°682	0°90	46.9248	9°8	...	21°267	+9°365	-3	...	...	...	13°738	+24°491	0°80	...	...
...	25°698	+26°093	-4	...	...	...	21°211	-8°003	-5	M	...	...	13°527	-11°301	-5	...	...
...	25°675	+59°406	0°65	46.9247	10°1	...	21°205	+20°496	-4	...	...	...	13°464	+56°855	-5	...	...
...	25°542	+41°729	-5	M	...	*	21°109	+57°926	0°80	46.9254	10°1	...	13°415	+25°844	0°80	...	...
...	-25°476	-3°078	-3	...	...	...	-20°975	-9°401	-1	...	...	...	-13°368	+35°837	-5	M	...
...	25°317	+11°133	-4	...	...	...	20°927	+20°915	-4	...	...	...	13°308	-56°236	-4	...	...
...	25°309	+58°623	-5	M	...	...	20°523	-4°578	-3	...	...	*	13°157	-25°717	1°10	47.8830	9°6
...	25°303	+54°533	-5	M	...	...	20°385	+14°736	-4	...	...	...	12°980	-0°891	0°80	...	...
†	24°992	-3°283	-2	...	...	...	20°189	-43°332	-4	...	...	...	12°919	-35°315	0°65	...	...
43 ^I	49 ^I					55 ^I					56 ^I					47.8831	
...	-24°807	-9°864	-5	M	...	...	-20°127	+34°455	-5	M	...	...	-12°578	-46°806	1°00	47.8831	10°0
...	24°779	-21°046	-4	...	...	...	19°847	-28°629	-5	...	...	...	12°565	+36°386	0°80	...	...
...	24°682	+35°740	-1	...	...	...	19°825	-9°632	-5	...	...	*	12°305	-37°495	1°00	47.8832	9°6
...	24°652	+24°556	-3	...	...	...	19°628	+39°220	-5	M	...	...	12°267	-56°584	-5	...	...
...	24°531	+19°248	-1	...	...	*	19°407	-40°535	1°00	47.8827	10°0	...	12°255	+13°891	-5	...	...
...	-24°481	+32°183	0°80	...	...	...	-19°396	+6°905	-5	M	...	...	-11°969	+26°113	0°85	...	...
...	24°458	+50°802	-2	...	...	...	19°290	+45°205	0°75	...	...	...	11°675	+32°983	-5	M	...
...	24°409	+28°887	0°65	...	...	...	19°181	+52°072	-4	...	...	...	11°669	-36°602	0°70	...	...
...	24°333	+47°074	-2	...	...	*	19°121	+48°514	1°60	46.9255	8°9	...	11°651	+31°171	-5	M	...
...	24°317	-28°887	-2	...	...	...	18°626	+39°103	-5	M	...	...	11°571	+47°245	-5	M	...
44 ^I	50 ^I					56 ^I					57 ^I					47.8832	
...	-24°254	+30°817	-4	M	...	...	-18°547	+21°447	0°90	...	...	...	-11°543	+10°808	-5	...	...
...	23°944	+22°520	-2	...	...	...	18°522	+46°371	0°70	...	...	...	11°504	+44°271	-2	...	...
...	23°854	+9°240	-3	...	...	...	18°521	-24°132	-4	...	...	...	11°175	+44°756	-2	...	...
...	23°760	+39°352	-3	...	...	...	18°326	-31°981	-3	...	...	...	11°147	+45°768	-5	M	...
...	23°661	+45°926	-4	M	...	*	17°890	-35°192	0°95	47.8828	10°1	...	11°131	+11°039	-5	...	...
...	-23°546	+38°358	-5	M	...	...	-17°858	-26°647	-3	...	...	...	-10°976	-11°846	-5	...	...
...	23°508	-41°802	-3	...	...	...	17°856	+40°656	0°65	...	...	...	10°668	-45°177	-4	...	...
...	23°462	+56°727	-1	...	...	...	17°736	-55°701	-4	...	...	...	10°493	+19°320	-4	...	...
...	23°454	-41°853	-3	...	...	...	17°729	+41°521	-5	M	...	...	10°194	+19°244	-5	M	...
...	23°271	+30°718	-2	...	...	...	17°681	-48°436	-4	...	...	†	10°044	-24°650	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.	Mag.	
571-630						631-690						691-750						
571	- 9.935	+23.067	- 4	o	...	...	- 4.967	-47.459	- 4	m	...	691	+ 0.297	+11.430	1.35	46.9272	9.0
...	9.934	+49.777	- 3	...	...	...	4.954	-50.899	- 4	m	...	...	0.335	+57.707	- 5	M m	...
...	9.818	-33.317	- 3	...	...	...	4.898	-36.138	- 2	...	...	...	0.561	+31.628	- 3	...	...
.	9.572	+ 7.205	- 4	...	...	...	4.741	-42.664	- 4	m	...	...	0.990	+ 1.465	- 2	...	...
...	9.330	+57.810	- 2	...	...	...	4.699	+48.638	- 4	M	...	*	1.086	- 8.732	1.10	47.8847	9.5
*	- 9.322	+47.388	0.75	...	...	...	4.572	-22.500	- 1	...	...	...	+ 1.689	+59.776	- 5	m	...
...	9.295	+29.083	0.75	...	...	...	4.484	+58.847	- 4	...	...	...	1.916	+37.740	- 3	...	...
*	9.263	-20.283	1.00	47.8833	10.0	...	4.474	+30.721	- 5	M m	...	...	2.024	- 3.869	- 2	...	...
...	9.192	-30.401	- 4	...	...	...	4.256	-15.753	- 5	m	...	...	2.571	+55.338	0.85	46.9273	10.0
...	9.168	+48.139	- 1	...	...	*	4.175	+ 5.933	0.85	46.9263	9.8	...	2.688	+35.008	- 5	M m	...
581	- 9.016	-35.520	- 5	M m	...	641	- 4.146	- 0.157	- 2	...	...	701	+ 2.898	+28.285	- 2	...	...
...	8.950	+57.594	- 5	M	...	*	4.115	+28.093	0.90	46.9264	9.8	...	2.957	+39.079	- 5	M m	...	
...	8.899	-22.919	- 5	M m	...	...	4.106	-37.997	- 5	m	...	...	3.033	+36.994	0.75	...	...
...	8.680	- 4.216	- 3	...	...	...	4.081	+17.632	- 4	...	...	...	3.131	+ 0.701	0.90	...	...
...	8.650	-31.166	- 2	...	...	*	4.048	+48.579	0.90	46.9265	9.6	*	3.262	+52.376	1.00	46.9274	9.8
...	- 8.629	-21.739	- 1	...	...	...	3.868	-12.707	- 5	M m	...	...	+ 3.334	+20.659	0.75	...	...
...	8.565	-34.606	- 1	...	...	...	3.838	+ 4.214	- 4	m	...	...	3.367	- 58.308	- 2	...	...
...	8.550	-31.495	- 2	...	...	...	3.650	+34.106	- 5	M m	...	*	3.485	- 35.693	1.05	47.8848	9.4
*	8.540	-22.771	1.25	47.8834	9.4	...	3.436	+59.370	- 5	M m	...	...	3.519	- 37.453	- 1	...	...
...	8.406	-16.625	- 5	m	...	...	3.289	+54.929	- 1	...	...	...	3.529	+49.045	0.75	...	...
591	- 8.360	-22.393	0.85	47.8835	9.8	S *	- 3.190	+55.232	1.85	46.9266	8.5	...	711	+ 3.781	+40.166	0.65
...	8.328	+ 2.223	- 4	...	...	*	3.069	-42.187	0.80	47.8838	10.0	*	3.898	+51.592	1.00	46.9275	9.6
...	8.310	+41.025	- 5	M	...	...	2.976	+13.178	- 3	...	...	...	3.920	- 28.265	- 2	...	...
...	8.301	-41.606	- 3	...	...	...	2.946	-43.490	- 4	...	...	...	4.055	- 28.801	- 2	...	...
...	8.243	+21.410	- 5	M m	...	...	2.677	- 1.660	- 5	m	...	...	4.073	+45.160	- 1	...	...
...	- 8.014	+35.273	- 2	...	...	...	2.650	+47.705	- 5	M m	...	...	+ 4.114	+25.303	- 2	...	...
...	7.842	+10.834	- 3	m	...	...	2.649	+59.064	- 4	...	...	...	4.244	- 40.168	- 5	m	...
*	7.568	+ 0.860	1.00	46.9260	9.4	...	2.616	-26.747	- 5	m	...	...	4.338	+11.903	- 5	...	...
...	7.553	+11.427	0.75	46.9261	10.0	*	2.612	+27.024	0.95	46.9267	9.6	...	4.560	+24.421	- 5	M	...	
...	7.530	- 2.600	- 5	m	...	...	2.582	+38.696	- 1	...	...	...	4.724	+39.828	- 5	M m	...
601	- 7.410	-13.949	- 4	m	...	661	- 2.547	-19.488	- 5	m	721	+ 4.815	+15.031	- 5
...	7.291	- 5.092	- 4	m	...	...	2.451	+22.584	- 5	M m	...	...	5.056	+45.480	- 5	M m	...
...	7.109	-57.748	- 1	...	...	...	2.413	+41.554	- 4	M m	...	...	5.101	-14.883	0.90	...	...
...	7.087	+ 1.215	- 1	...	...	...	2.389	-52.830	- 1	...	...	...	5.148	+27.311	- 5	M m	...
...	6.996	+40.508	- 3	M m	...	...	2.366	+16.994	- 5	M m	...	...	5.247	+17.811	0.65	...	...
...	- 6.961	+51.003	- 2	...	...	*	2.318	-13.308	2.80	47.8840	8.7	...	+ 5.277	+45.743	- 5	M m	...
...	6.942	- 2.723	- 3	...	...	...	2.224	-30.477	- 1	47.8839	10.0	...	5.427	- 56.726	0.75	...	...
...	6.849	+47.128	- 5	M m	...	...	2.054	+26.236	- 5	M m	...	...	5.507	+27.757	- 4	...	...
...	6.824	-45.215	- 4	m	...	...	1.968	+22.473	- 4	M	...	...	5.512	+ 3.405	- 5	M m	...
...	6.758	-15.525	- 4	m	...	*	1.683	+54.141	0.85	46.9268	10.0	...	5.680	-41.102	0.65	...	...
611	- 6.633	-56.857	- 4	m	...	671	- 1.659	- 5.043	0.90	47.8841	9.6	...	731	+ 5.819	- 53.239	- 4	m	...
...	6.550	-13.945	- 4	...	...	*	1.636	-23.055	0.80	47.8842	10.0	...	5.822	+47.155	- 5	M m	...
...	6.516	+58.263	- 4	...	...	...	1.560	- 5.628	- 4	m	...	†	6.129	- 49.674	- 4	m	...
...	6.465	+54.240	- 4	M m	...	*	1.555	-24.830	0.80	47.8843	10.0	...	6.328	+58.391	- 5	...	...
S *	6.455	-46.073	1.90	47.8836	8.8	...	1.301	+ 6.965	- 4	...	...	...	6.373	+51.860	- 5	M m	...
...	- 6.424	+13.381	- 2	...	...	...	1.170	+46.215	0.65	46.9269	10.1	...	+ 6.432	- 15.850	- 2	...	...
...	6.271	+51.740	- 3	...	...	...	1.073	-53.475	- 2	...	...	...	6.484	- 27.435	0.75	...	...
...	6.195	+57.282	- 3	...	...	*	0.933	-31.420	1.60	47.8844	8.9	...	6.661	- 15.276	- 2	...	...
...	6.100	+54.227	- 5	M m	...	...	0.872	-53.309	- 5	m	...	...	6.873	+10.392	- 2	...	...
*	6.099	+58.227	1.00	46.9262	9.3	...	0.802	-23.387	- 1	47.8845	10.1	*	6.896	- 55.847	1.15	47.8849	9.0	
621	- 6.093	-11.782	1.20	47.8837	9.4	...	0.602	+24.238	- 3	741	+ 6.928	+28.291	- 4
...	5.517	-30.576	- 3	...	...	...	0.488	- 1.433	- 3	...	...	*	6.996	+28.319	1.00	46.9276	9.4
...	5.460	+49.032	- 4	...	...	...	0.382	-36.545	- 3	...	...	...	6.941	- 20.421	- 5	m	...
...	5.411	+34.886	- 3	...	...	...	0.298	+ 5.018	- 2	m	...	...	7.149	- 11.766	- 4	...	...
...	5.307	+35.821	- 4	...	...	...	0.293	+ 1.934	- 4	...	...	...	7.231	- 30.096	- 5	m	...
...	- 5.272	-42.586	- 3	...	...	*	0.261	+ 5.088	1.10	46.9270	9.3	...	+ 7.240	+43.277	- 5	M	...
...	5.270	+53.067	- 2	...	...	†	0.156	-26.589	0.65	47.8846	10.0	...	7.317	+39.229	- 5	M m	...
...	5.247	-52.623	- 3	...	...	†	0.057	+46.716	- 5	M m	...	*	7.427	+ 4.792	0.95	46.9277	10.0
...	5.157	+33.672	- 4	M m	...	...	+ 0.022	-57.596	- 1	...	...	...	7.571	+29.998	- 4	...	...
†	5.096	-54.240	- 1	...	...	*	0.106	+22.865	1.00	46.9271	9.6	...	7.621	+12.025	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		-1.	No.		x.	y.		-1.	No.		x.	y.	-1.	No.	Mag.				
751-810																					
751	+	7·740	-22·126	-3	o	...	*	+14·542	-57·398	1·20	47·8852	9·8	871	+19·886	-40·935	-4	o	m	...		
*	7·807	+30·932	0·90	46·9278	9·8	...	14·588	+57·255	-1	...	...	...	...	20·002	-51·960	-5	m	...	...
...	8·282	+5·873	-5	M m	...	...	14·724	-40·770	0·95	47·8853	10·4	...	...	20·211	+2·157	-5	m	...	...
...	8·326	+20·696	-4	...	...	...	14·871	+15·409	1·00	46·9285	10·2	...	*	20·236	-34·409	1·40	47·8856	9·6	...
...	8·401	-44·768	-4	m	...	...	14·974	-36·984	-2	...	...	...	...	20·289	+15·484	-4	...	...	...
...	8·402	+37·436	-5	m	*	+15·000	+47·791	1·00	46·9286	9·6	...	+	20·556	+43·298	0·80	
...	8·411	+52·598	-5	m	...	...	15·003	+59·897	-4	...	...	...	...	20·607	-16·048	-5	...	...	...
*	8·450	+38·255	1·00	46·9279	9·6	...	15·014	+31·648	-1	...	...	...	...	20·816	+14·922	-5	m	...	...
...	8·471	+8·274	-5	M	...	...	15·448	+54·235	-2	...	...	...	...	20·847	-8·225	-5	m	...	...
...	8·512	+39·217	-5	m	...	...	*	15·487	+29·835	0·80	...	...	*	20·864	+7·975	1·25	46·9288	10·2	...
761	+	8·516	-19·661	-3	821	+15·674	+48·200	-1	881	+21·178	+41·323	-5	m	
...	8·656	+5·300	-4	...	...	...	15·882	+45·483	-5	m	...	...	...	21·257	-30·465	-5	m	...	...
*	8·698	-6·094	1·00	47·8850	9·8	...	16·110	-2·759	-5	m	...	*	21·358	+11·583	1·00	46·9290	10·2	...			
...	8·814	+24·205	-4	...	...	...	16·309	+28·598	-5	m	...	...	...	21·418	+51·213	-5	m	...	...
...	8·835	+40·724	-5	m	...	...	16·351	-50·067	-4	m	...	*	21·436	+59·549	1·90	46·9289	9·0	...	
...	8·963	+19·843	-5	m	...	...	+16·474	+16·199	-3	...	...	...	...	21·492	+39·933	-5	m	...	...
...	9·134	-17·612	-5	m	...	...	16·489	-18·881	0·75	47·8854	10·4	...	...	21·529	-51·584	-4	m	...	...
...	9·176	+2·112	-5	m	...	...	16·528	-37·037	-4	m	...	...	...	21·551	-21·961	-5	m	...	...
...	9·210	+55·928	-2	...	...	...	16·570	-52·363	-5	m	...	...	...	21·604	-49·024	-4	m	...	...
...	9·263	-57·550	-5	m	...	...	16·640	+15·815	-2	...	...	...	...	21·611	+20·060	1·05	46·9291	9·8	...
771	+	9·719	-0·019	-5	m	...	831	+16·782	-9·576	-4	m	891	+21·673	+46·914	-4	
...	10·034	+37·316	-5	m	...	...	16·847	-58·986	-2	...	...	*	21·703	-44·057	1·00	47·8857	10·4	...	
*	10·047	+54·264	0·85	46·9280	10·0	...	16·956	-3·163	-1	...	...	...	...	21·870	-40·082	-5	m	...	...
...	10·475	-41·662	-5	m	...	...	16·969	-10·396	0·65	...	...	*	22·068	+13·956	0·95	...	...	...
...	10·587	-39·815	-4	m	...	...	17·018	+25·852	0·80	...	...	...	...	22·238	-59·578	-5	m	...	...
...	+10·595	-40·813	-4	m	...	...	+17·055	-35·389	0·65	...	...	...	...	+22·265	-59·475	-5	m	...	...
...	10·632	+17·997	-3	...	...	...	17·188	+49·230	-4	m	...	*	22·277	+52·590	1·00	...	...	...
...	10·898	+30·472	-4	...	...	...	17·233	+44·561	-4	...	...	...	...	22·375	+47·863	-5	m	...	...
...	10·991	-47·461	-5	m	...	...	17·250	+25·776	-5	m	...	*	22·431	+19·908	1·00	46·9292	10·4	...	
...	11·171	+46·956	-5	m	...	...	17·339	+54·571	-1	...	...	...	...	22·495	+9·173	-5	...	...	...
781	+	11·286	-14·141	-3	841	+17·370	-48·480	-2	901	+22·511	-42·005	-4	m	
...	11·428	+25·541	-5	...	...	*	17·689	+56·131	1·00	46·9287	9·6	...	...	22·541	+36·706	-5	m	...	...
...	11·740	-6·431	-1	...	...	...	17·715	+18·673	-3	...	...	...	...	22·542	-42·333	-2	...	...	...
...	11·827	+33·411	-4	m	...	...	17·769	-34·004	-2	...	...	...	...	22·547	+29·637	-2	...	...	...
...	11·867	-53·713	-5	m	...	*	17·973	+0·322	1·60	47·8855	9·6	...	...	22·558	-40·848	-4	m	...	...
...	+11·932	-17·448	-1	...	...	...	+17·981	+48·850	-1	...	...	...	...	+22·619	+33·793	-5	m	...	...
...	12·013	-43·244	-5	m	...	...	18·319	+10·264	-4	...	...	...	...	22·687	-46·642	0·85	...	...	...
*	12·055	+58·994	1·00	46·9281	9·4	...	18·327	-53·721	-4	m	...	...	...	22·742	-47·438	-5	m	...	...
...	12·061	-30·202	-1	...	...	*	18·416	-45·176	0·80	...	...	...	...	22·751	-58·984	-5	m	...	...
...	12·322	+58·301	-3	...	...	...	18·471	-35·521	0·65	...	...	...	...	22·843	-38·322	-4	m	...	...
791	*	+12·434	+53·246	1·00	46·9282	9·2	...	851	+18·476	+23·873	-5	m	911	+23·020	-6·084	-5	m
S *	12·538	-35·604	1·20	47·8851	9·6	...	18·582	+55·424	-5	m	...	*	23·108	-33·308	1·40	47·8859	9·6	...			
...	12·593	+23·888	-3	...	...	...	18·632	+23·991	-4	m	...	...	...	23·123	-4·199	0·65	...	...	...
*	12·690	+35·012	0·90	46·9283	10·0	...	18·677	-28·692	-2	...	...	...	...	23·215	-11·276	0·70	...	...	...
...	12·789	+51·975	-4	...	...	...	18·714	+33·383	-3	...	...	*	23·245	-10·109	1·20	47·8858	10·0	...	
...	+12·820	+18·382	-3	...	...	...	+18·765	-4·408	-5	...	...	...	...	+23·331	-2·128	-5	m	...	...
...	12·917	+16·559	-4	m	...	...	18·766	+53·806	-4	m	...	...	...	23·429	+50·575	0·90	...	...	...
...	13·123	+45·293	-5	m	...	...	18·943	-2·177	-4	...	...	...	...	23·483	-21·314	-3	...	...	...
...	13·175	+56·005	-1	...	...	...	19·048	+53·347	-5	m	...	...	...	23·508	+56·212	0·95	...	...	...
...	13·268	-56·486	-5	m	...	...	19·070	-37·054	-3	...	...	...	...	23·649	-11·994	0·65	...	...	...
801	+	13·343	-44·897	-4	m	...	861	+19·085	-37·600	-5	m	...	*	921	+23·673	-40·669	1·00	47·8860	10·4	...	
*	13·407	-31·760	0·80	...	...	...	19·167	-37·692	-5	m	...	...	...	23·717	+55·783	-1	...	...	...
...	13·450	+7·701	-4	...	...	...	19·203	-32·586	-5	m	...	...	...	23·741	-37·706	-4	m	...	...
...	13·461	+42·462	-2	...	...	...	19·229	+43·479	-5	m	...	...	...	23·814	+44·685	-5	m	...	...
...	13·594	-43·138	-4	m	...	...	19·270	+18·682	-5	m	...	...	...	23·819	+36·028	-5	m	...	...
...	+13·700	+58·482	-5	m	...	...	+19·347	+1·032	-5	m	...	...	...	+23·875	+15·361	0·65	...	...	...
...	14·302	-39·425	-5	m	...	...	19·533	+9·633	-5	...	...	...	...	23·905	-20·943	-1	...	...	...
*	14·414	+8·719	1·60	46·9284	9·6	*	19·544	+42·437	0·80	...	...	...	...	23·984	-36·274	-3	m	...	...
...	14·491	-20·727	-5	m	...	...	19·549	+53·129	-3	...	...	...	...	24·040	+58·792	-4	...	...	...
†	14·497	+59·958	-4	...	...	...	19·680	+46·173	4	...	...	...	...	24·173	+0·867	-5	m	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-1.	No.	Mag.		x.	y.	-1.	No.	Mag.		x.	y.	-1.	No.	Mag.
931-990																	
931	+24·254	-54·762	-3	o		991	+29·570	-30·113	0·70	o		1051	+34·300	-29·026	-2	o	
...	24·397	-10·849	0·70	...		...	29·599	-31·128	-4	m		...	34·435	+5·410	-1	...	
...	24·543	+15·247	0·75	...		...	29·691	-33·083	-5	m		...	34·512	-29·029	-4	m	
...	24·547	+31·928	0·65	...		...	29·761	-36·693	-3	...		...	34·537	-22·616	-4	m	
...	24·589	+53·968	-3	m		...	29·932	+21·067	-4	m		...	34·562	+57·107	-5	m	
...	+24·760	-19·281	-2	...		...	+30·142	-52·148	-4	m		...	+34·879	-1·655	-2	...	
...	24·783	-29·589	-5	m		...	30·273	-14·374	-2	...		...	34·958	+35·689	-4	m	
...	24·894	-47·828	-5	m		*	30·431	+51·799	0·95	...		*	35·007	-19·249	1·10	47·8866	9·6
...	24·900	+45·875	-2	...		*	30·514	+9·093	0·95	46.9297	10·4	...	35·040	+7·205	-4	...	
...	24·947	+36·873	-3	...		...	30·890	-53·899	-1	...		*	35·040	+19·714	2·20	46·9300	9·0
941	+24·990	+53·306	-5	m		1001	+30·942	-20·813	-2	...		1061	+35·060	+25·663	-3	m	
*	24·996	+22·769	1·35	46·9294	9·3	...	30·945	-30·928	-3	...		...	35·072	+28·353	-4	m	
...	-25·173	+19·964	-4	m		...	31·126	+32·464	-3	m		...	35·128	-14·557	-3	...	
*	25·231	+31·930	1·25	46·9295	9·9	*	31·266	-15·635	1·00	47·8863	10·2	*	35·136	-57·569	0·90	47·8868	10·4
...	25·281	+30·909	-5	m		...	31·411	+31·932	-4	m		8*	35·164	-2·605	2·20	47·8867	8·7
...	+25·459	+18·834	-5	m		...	+31·431	-14·156	-2	...		...	+35·231	+57·950	-4	m	
...	25·514	+53·411	-5	m		...	31·676	+35·494	-5	m		*	35·239	+15·750	0·80	...	
*	25·602	+13·111	1·00	...		...	31·733	+16·061	-3	...		...	35·369	+54·426	-4	m	
...	25·688	+36·595	0·70	...		...	31·777	-42·742	-5	m		...	35·463	+40·516	-4	...	
...	25·834	+40·155	-4	m		...	31·795	+40·264	-3	...		...	35·586	+44·499	-5	m	
951	+25·947	-1·309	-3	m		1011	+31·865	+58·270	-2	...		1071	+35·589	-22·062	-4	...	
...	25·994	+16·581	-3	...		...	31·888	-7·107	0·95	47·8864	10·2	...	35·650	+21·095	-5	m	
*	26·199	-55·652	1·05	47·8861	10·2	...	32·073	+56·991	-3	...		*	35·676	+1·781	1·00	46·9301	10·2
...	26·433	+48·500	-2	...		...	32·097	-5·245	1·60	47·8865	9·4	...	35·781	+45·572	-2	...	
...	26·497	-46·963	-2	b		...	32·151	-32·585	-5	m		...	35·788	-38·660	0·70	...	
...	+26·606	+37·633	-3	m		...	+32·178	-48·616	-2	b		...	+35·821	-30·914	-3	m	
...	26·617	-9·735	-4	m		...	32·259	-12·709	-5	m		...	36·091	-21·034	0·80	...	
...	26·618	-0·842	-3	...		...	32·275	+5·895	-5	m		...	36·093	-51·572	0·85	...	
...	26·620	+2·670	-5	...		...	32·401	-57·838	-3	...		...	36·166	-27·748	-4	m	
*	26·621	-3·863	2·20	47·8862	9·0	S*	32·436	+11·219	2·00	46·9298	8·7	...	36·258	-57·835	-3	m	
961	+26·708	+40·317	1·00	46·9296	10·4	N	+32·447	-37·909	-1	...		1081	+36·265	-35·546	-5	m	
...	26·725	-52·445	-5	m		N	32·479	-37·953	-2	...		*	36·272	-15·466	0·95	47·8869	10·2
...	26·793	+39·945	0·70	...		...	32·565	-52·068	-5	m		...	36·308	-22·733	-3	...	
...	26·804	-19·378	-5	m		...	32·585	+5·653	-5	m		*	36·341	-3·372	0·80	...	
...	26·905	-48·789	-5	m		...	32·623	+18·520	-4	m		...	36·696	+9·596	-4	...	
...	+26·950	+35·281	-4	m		...	+32·655	-47·710	-4	m		...	+36·936	+23·700	-2	...	
...	27·072	+1·202	0·70	...		*	32·679	-24·549	0·80	...		...	36·989	+23·724	-3	...	
...	27·540	-30·853	0·65	...		...	32·746	+58·983	-3	m		...	36·997	+13·150	-3	...	
...	27·607	-37·203	-4	m		...	32·875	-44·034	-3	...		...	37·091	+8·894	-4	...	
...	27·897	+27·550	0·65	...		...	32·965	-30·084	-5	m		*	37·118	-44·911	1·00	47·8870	10·2
971	+27·962	+14·400	-5	m		1031	+33·001	+4·508	-3	...		1091	+37·151	-57·898	-4	m	
...	28·109	-22·841	-5	m		...	33·043	-10·546	-3	...		*	37·250	-24·802	-4	m	
*	28·197	-27·058	1·00	...		...	33·066	-53·181	-3	m		*	37·269	-54·780	1·00	...	
...	28·218	+15·318	0·90	...		...	33·067	-23·998	-2	...		...	37·338	-35·949	-2	a	
...	28·462	+46·839	-5	m		*	33·369	-23·327	0·80	...		...	37·462	-43·786	-5	m	
...	+28·547	-2·744	-4	m		...	+33·463	+14·967	-3	...		...	+37·469	-48·070	-5	m	
...	28·614	+5·382	-2	...		...	33·528	-19·890	-3	...		...	37·629	-30·541	0·65	...	
...	28·635	+58·086	-3	...		...	33·603	-18·884	-5	m		...	37·653	+19·246	-5	m	
...	28·843	+31·602	0·90	...		*	33·627	+10·173	-4	...		...	37·710	-42·258	-2	a	
...	28·859	+52·470	0·90	...		...	33·746	+39·277	-4	m		...	37·757	-31·045	-5	m	
981	+28·868	-50·171	-2	a		1041	+33·796	-28·619	-4	m		1101	+37·855	+47·884	-3	m	
...	28·888	-30·451	-5	m		...	33·812	+6·232	-1	...		...	37·991	+21·304	-3	...	
...	28·940	+7·041	0·80	...		...	33·836	-55·837	-2	...		...	38·089	-48·093	-4	m	
...	29·118	+19·744	-3	...		...	33·918	+7·380	-2	...		...	38·154	+59·485	-4	m	
...	29·238	-37·142	-5	m		...	33·991	+6·018	-5	m		...	38·166	+53·774	-4	m	
...	+29·315	+27·763	0·90	...		*	+34·001	+22·586	1·00	46·9299	10·4	...	+38·185	+25·413	-3	m	
...	29·336	+33·679	-4	m		...	34·024	-17·643	-4	m		...	38·257	+52·769	-2	...	
...	29·381	-4·005	-3	m		...	34·205	-16·816	-3	...		*	38·289	+40·319	1·00	46·9302	10·2
...	29·487	+57·151	-5	...		...	34·220	+50·502	-4	...		...	38·354	-49·301	-4	m	
...	29·541	-45·066	-2	a		*	34·256	-10·952	0·80	...		...	38·428	-57·835	-3	m	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
1111-1170																	
I 111	+38°713	-50°030	-4	m	...	I 1171	+43°663	-21°589	-5	e	...	I 1231	+49°420	-52°438	2°00	47.8875	9°0
...	38°971	+39°284	-3	...	...	*	43°685	-48°704	1°20	47.8871	9°6	...	49°497	+37°312	-2	...	...
...	39°072	+15°033	-4	m	...	...	43°838	+42°618	-5	e	...	...	49°599	-15°025	0°85	...	...
...	39°147	+24°027	-3	...	...	*	43°847	+32°658	1°05	46.9307	9°9	...	49°815	+13°424	-4	e	...
...	39°191	+42°693	-3	...	...	...	43°946	-10°435	0°70	...	...	...	50°131	+17°850	-5	e	...
...	+39°291	-27°021	-4	m	...	...	+44°021	-30°195	-5	m	...	...	+50°131	+31°515	-4	...	...
...	39°311	+12°305	-4	m	...	...	44°069	-47°697	-2	e	...	...	50°601	+15°961	-4	e	...
*	39°514	+24°958	0°90	46.9303	10°4	...	44°307	-10°111	-5	m	...	...	50°625	-8°396	-2	...	...
...	39°654	+45°779	-4	m	...	...	44°357	+8°659	-5	m	...	*	50°926	-57°057	1°20	47.8876	9°6
...	39°680	-41°582	-4	m	...	...	44°447	-6°665	-5	e	...	...	50°928	-37°352	-3	...	...
I 1121	+39°738	+3°006	-3	...	...	I 1181	+44°512	-20°123	-5	e	...	I 1241	+50°930	-50°097	-3	e	...
...	39°981	+4°904	-5	m	...	...	44°579	-41°270	0°65	...	...	*	50°940	+25°077	-4	e	...
...	40°131	+15°236	-1	...	...	...	44°649	+21°336	-4	e	...	...	51°054	-34°138	-4	e	...
...	40°160	-38°173	-5	m	...	...	45°357	-33°354	-5	m	...	...	51°209	+26°084	-4	e	...
*	40°198	+59°136	2°20	46.9304	8°8	...	45°570	+53°246	-1	...	...	...	51°243	+46°930	-4	e	...
...	+40°245	-2°065	-2	...	...	...	+45°717	-53°520	-5	m	...	...	+51°530	-58°519	-4	e	...
...	40°287	+47°191	-1	...	...	*	45°742	+8°916	1°00	...	...	...	51°539	-28°327	-3	e	...
†	40°369	+20°062	-5	m	...	*	45°758	-23°262	1°30	47.8872	9°8	...	51°758	-44°929	-3	e	...
*	40°378	+7°282	1°05	46.9305	10°4	...	46°076	+34°192	-4	e	...	...	51°805	-15°258	0°70	...	...
...	40°497	-5°273	-2	...	...	...	46°090	+12°952	-5	...	...	...	51°964	-54°009	-5	e	...
I 1131	+40°553	-39°682	-4	m	...	I 1191	+46°119	+39°706	-1	...	...	I 1251	+52°047	+27°517	-4	e	...
...	40°612	-53°701	-2	...	...	...	46°224	+6°007	-4	e	...	...	52°078	+13°651	-5	e	...
...	40°642	-40°088	-2	...	...	...	46°252	-18°948	-5	e	...	...	52°132	-3°448	-4	e	...
...	40°699	+21°204	0°70	...	...	S *	46°253	-42°735	1°25	47.8873	9°6	...	52°177	+32°282	-5	e	...
...	40°706	-35°570	0°70	...	...	...	46°315	-3°323	-3	c	...	...	52°182	-40°585	-3	e	...
...	+40°783	-43°914	-5	m	...	...	+46°442	+9°500	-5	e	...	...	+52°396	-1°817	-4	e	...
...	40°821	-8°849	0°70	...	...	...	46°559	-15°911	-5	e	...	...	52°407	+46°900	-3	...	...
...	40°898	-36°682	0°70	...	...	*	46°714	-14°554	1°00	...	...	...	52°407	+41°235	-2	...	...
...	41°037	+25°465	-5	m	...	...	46°754	+45°999	-4	...	...	...	52°418	+39°583	-4	e	...
...	41°070	+42°344	0°70	...	...	...	46°845	+8°152	0°70	...	...	...	52°467	-39°455	-3	...	...
I 1141	+41°279	-48°485	-5	m	...	I 1201	+46°923	-9°239	-5	m	...	I 1261	+52°484	-15°992	-5	e	...
...	41°349	-50°067	-3	e	...	...	47°015	+25°764	-5	m	...	...	52°525	-4°759	-4	e	...
...	41°400	-26°410	0°75	...	...	...	47°112	-19°611	-5	e	...	...	52°627	+14°755	-2	...	...
...	41°411	-32°884	-5	m	...	...	47°130	+2°736	-2	...	...	...	52°663	+13°870	-1	...	...
...	41°510	+33°194	-3	...	...	...	47°160	-43°212	-4	e	...	...	52°805	-18°083	-5	m	...
...	+41°511	+6°118	-5	m	...	...	+47°174	+8°714	-5	e	...	*	+52°807	-17°994	0°95	47.8877	10°2
...	41°560	-41°194	-4	e	...	*	47°481	+58°260	7°35	46.9308	4°3	...	52°810	-44°930	-3	e	...
...	41°601	-48°748	-5	m	...	...	47°596	+6°805	-2	...	...	...	52°816	-9°554	-3	e	...
...	41°728	-17°303	-5	m	...	...	47°613	+51°755	-5	e	...	...	52°837	+31°962	0°75	...	...
...	41°817	-34°948	0°70	...	...	...	47°780	-1°632	-5	e	...	...	52°869	-13°091	-5	e	...
I 1151	+42°014	+12°601	-1	...	...	I 1211	+47°793	+0°568	-5	e	...	I 1271	+52°995	-59°516	-2	...	...
...	42°080	-0°955	-5	m	...	...	47°843	-14°657	-5	m	...	...	53°197	+33°700	-4	e	...
...	42°148	-27°616	-5	m	...	...	47°973	+13°388	-5	e	...	...	53°235	+28°426	-5	e	...
*	42°277	-38°544	0°85	...	...	...	47°996	-15°813	-3	e	...	...	53°255	+34°510	-5	m	...
...	42°395	-32°329	-5	m	...	...	48°025	-32°855	0°85	...	...	...	53°273	-11°776	-4	e	...
...	+42°464	+43°678	1°00	...	...	...	+48°082	+25°898	-5	e	...	...	+53°403	-7°979	-3	e	...
*	42°504	+54°210	1°00	46.9306	10°4	...	48°122	+1°493	-2	...	...	...	53°484	-57°122	-4	e	...
...	42°520	-14°193	-2	e	...	*	48°229	-25°076	1°00	47.8874	10°2	*	53°493	+37°169	1°00	46.9312	10°4
...	42°702	-55°591	-3	e	...	†	48°237	+10°101	0°70	...	...	...	53°584	+11°196	-3	...	...
*	42°788	+38°436	1°00	...	...	...	48°316	-49°622	-5	m	...	...	53°591	+37°021	-3	e	...
I 1161	+42°861	+25°328	0°90	...	...	I 1221	+48°544	-22°258	-5	m	...	I 1281	+53°598	+43°136	-1	...	...
...	42°914	-19°305	0°85	...	...	...	48°645	+11°895	-5	e	...	...	53°656	-1°751	-5	e	...
*	42°915	-47°554	1°00	...	...	...	48°676	+8°996	-5	m	...	...	53°665	+31°642	-5	e	...
...	42°971	-23°648	-5	e	...	...	48°734	+59°596	-5	e	...	...	53°760	+23°421	-1	...	...
...	43°065	-55°093	-3	e	...	...	48°871	+7°275	-3	...	...	*	53°978	-12°120	0°80	...	...
...	+43°174	-38°636	-3	e	...	†	+48°991	-34°817	-5	e	...	...	+54°007	-30°157	0°80	...	...
...	43°215	-5°193	0°65	...	...	*	49°048	+31°404	1°05	46.9309	10°2	...	54°023	+3°106	-3	e	...
...	43°314	-21°324	0°85	...	n	...	49°104	+3°591	0°90	46.9310	10°2	*	54°034	+27°197	1°00	46.9313	10°2
...	43°368	+26°144	-5	m	...	...	49°245	+41°523	-5	e	...	...	54°080	+8°954	-4	...	...
...	43°522	-56°200	0°95	...	n*	...	49°299	+3°611	1°05	46.9310	10°2	...	54°098	-20°292	-5	m	...

1228, 1230. C.P.D., possibly mass.

- 47°

No. 110

RECTANGULAR CO-ORDINATES.

1905·47

18^b 15^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-i.	No.		x.	y.		-i.	No.		x.	y.	-i.	No.	Mag.
1291-1320																	
1291	+54°147	-23°599	-4	° e	...	1321	+56°639	+19°465	-5	° e	...	1351	+59°254	-2°998	-5	° e	...
...	54°151	-18°220	-5	...	...	*	56°815	-49°960	1°00	47.8880	10°4	...	59°329	-35°622	-5	e	...
*	54°256	-17°949	1°00	47.8878	10°4	...	56°878	+16°719	-2	...	...	...	59°390	-2°446	-4	e	...
...	54°415	-37°477	-4	e	...	...	56°882	-31°122	-4	e	...	...	59°396	-16°776	-1	...	...
*	54°417	-43°118	0°80	...	...	...	56°969	-38°084	-3	e	...	...	59°581	-12°310	-4	e	...
...	+54°452	-32°886	-4	e	...	...	+56°999	-26°359	-4	e	...	*	+59°641	-59°191	1°20	47.8881	9°8
...	54°453	+23°444	-1	...	...	...	57°048	-51°363	-4	e	...	...	...	...	...	...
...	54°492	+19°155	-4	e	...	...	57°132	+16°880	-5	e	...	...	...	...	...	...
†	54°671	-28°053	-1	...	...	...	57°165	-38°804	-5	e	...	...	...	...	...	...
...	54°835	-43°949	-4	e	...	...	57°287	-8°476	-4	e	...	...	...	...	...	...
1321-1350																	
1301	+54°968	-1°381	-5	e	...	1331	+57°326	+14°163	-3	...	...	1351	+59°254	-2°998	-5	° e	...
...	55°405	-27°096	-2	e	...	...	57°350	+18°083	0°65	...	...	...	59°329	-35°622	-5	e	...
...	55°594	-25°388	-1	...	...	...	57°406	-25°212	-5	e	...	...	59°390	-2°446	-4	e	...
*	55°625	-42°980	0°90	...	...	...	57°486	+41°703	-2	...	...	...	59°396	-16°776	-1	...	...
...	55°667	-4°401	-5	e	...	...	57°487	+50°228	-5	e	...	...	59°581	-12°310	-4	e	...
*	+55°678	-41°326	0°90	...	...	...	+57°600	+33°356	-3	e	...	...	+59°641	-59°191	1°20	47.8881	9°8
...	55°727	-12°450	-4	e	...	...	57°606	-8°203	-1	...	...	...	...	...	...	...
*	55°788	+0°524	1°00	46.9315	10°2	...	57°664	+49°614	-3	...	...	...	...	...	...	...
...	55°810	-53°362	-4	e	...	...	57°881	-51°618	-4	e	...	...	...	...	...	...
...	55°998	+37°491	-4	...	...	...	57°972	+3°843	-2	...	...	...	...	...	...	...
1331-1341																	
1311	+56°042	-35°725	-2	e	...	1341	+58°476	-34°051	-4	e	...	41	-55°480	-19°094	-5	° E	...
*	56°069	+44°665	1°00	46.9314	10°4	...	58°522	+59°770	-5	...	...	...	55°445	+8°596	-5	E	...
†	56°176	+15°157	-2	...	...	...	58°838	+21°324	-4	e	...	...	55°288	+2°620	-2	...	...
*	56°181	-14°750	0°95	47.8879	10°2	...	58°891	-26°858	-5	e	...	...	55°274	-16°041	-5	E	...
...	56°201	-5°934	-4	e	...	...	58°978	-34°068	-4	e	...	...	* 55°152	-14°670	1°00	...	...
...	+56°250	+24°435	-4	e	...	...	+59°007	-2°809	-3	e	...	...	-55°118	-9°354	-5	M	...
...	56°277	-34°544	0°75	...	...	...	59°057	-23°419	-4	e	...	...	55°079	+25°800	-5	E	...
*	56°362	-3°913	0°75	...	...	...	59°083	-24°452	-4	e	...	...	† 54°975	+6°704	-5	...	...
...	56°475	-38°864	-3	e	...	...	59°119	-57°157	-3	...	...	...	54°798	+13°293	-5	E	...
...	56°613	+27°546	-4	e	...	...	59°237	-36°114	-4	e	...	...	\$ * 54°726	-42°870	1°60	47.8873	9°6

- 47°

No. 111

D, 0°70

1905·47

18^b 25^m

1-20					21-40					41-60							
I	-59°858	+42°372	-5	° E	...	21	-57°681	-6°869	-5	° E	...	41	-55°480	-19°094	-5	° E	...
†	59°538	+32°626	1°30	46.9307	9°9	...	57°499	-55°323	-5	E	...	...	55°445	+8°596	-5	E	...
*	59°461	-41°483	-5	E	...	...	57°483	+39°541	-3	...	...	...	55°288	+2°620	-2	...	...
...	59°402	-35°223	-3	...	...	...	57°367	+34°025	-5	E	...	...	55°274	-16°041	-5	E	...
...	59°375	-50°330	-5	E	...	...	57°185	-20°312	-5	E	...	...	* 55°152	-14°670	1°00	...	...
...	-59°355	-14°451	-3	E	...	*	-57°095	-48°900	1°40	47.8871	9°6	...	-55°118	-9°354	-5	M	...
...	59°305	-15°870	-5	M	...	...	57°048	+45°847	-4	...	...	...	55°079	+25°800	-5	E	...
...	58°962	-5°435	0°65	...	...	...	57°021	-56°402	-1	...	...	...	† 54°975	+6°704	-5	...	...
...	58°820	-38°805	-1	...	...	*	56°887	+8°750	1°00	...	...	...	54°798	+13°293	-5	E	...
...	58°816	-19°551	0°85	...	...	...	56°739	-47°890	-4	E	...	...	\$ * 54°726	-42°870	1°60	47.8873	9°6
II	-58°607	-23°894	-5	E	...	31	-56°680	+58°128	7°60	46.9308	4°3	51	-54°608	-19°725	-5	E	...
...	58°467	+53°059	-1	...	...	...	56°669	+12°801	-5	...	...	...	54°577	+0°473	-5	E	...
...	58°366	+21°136	-5	E	...	...	56°443	-41°451	-3	...	...	...	54°516	-1°730	-4	E	...
...	58°343	-21°554	0°85	...	...	...	56°382	+51°637	-5	E	...	...	54°430	+41°450	-5	E	...
...	58°062	-10°652	-1	...	...	...	56°319	+5°853	-5	E	...	...	54°428	+10°020	0°75	...	...
...	-57°989	-21°817	-5	E	...	...	56°203	+9°349	-5	E	...	*	-54°307	+31°335	1°00	46.9309	10°2
...	57°922	-38°865	-4	E	...	...	-55°917	-3°467	0°65	E	...	...	54°265	+1°407	-4	...	...
*	57°896	-47°789	1°00	...	...	*	55°846	-23°413	1°30	47.8872	9°8	...	54°202	+11°098	-5	M	...
...	57°861	-55°839	-5	E	...	...	55°752	+8°020	-2	...	...	...	54°078	+11°812	-5	E	...
...	57°710	-10°319	-5	M	...	...	55°503	+59°504	-5	E	...	...	54°036	+37°249	-4	...	...

L measured from 1, 239, 478, 694, 892, 1100.
MC .. " 101, 365, 583, 791, 1010, 1215.

Notes.	Co-ordinates.		Diam. 0·70	C.P.D.		Notes.	Co-ordinates.		Diam. 0·70	C.P.D.		Notes.	Co-ordinates.		Diam. 0·70	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120																	
61	-53°844	-15°902	-4	°E	...	121	-48°645	-1°657	-5	°E	...	181	-44°205	+21°570	-3	°E	...
...	53°800	-43°318	-5	E	...	...	48°620	-39°380	-3	...	...	...	44°168	-37°872	-3	E	...
...	53°707	+7°204	-4	...	...	...	48°562	+9°057	-3	...	...	...	44°139	-24°993	-5	E	...
...	53°383	-18°184	-5	M	...	...	48°469	+19°261	-4	M	...	...	43°956	+32°328	-5	M	...
n	53°358	+3°536	0°90	46.9310	10·2	...	48°436	+38°184	-5	E	...	...	43°952	+55°391	-4	M	...
*	-53°310	-25°144	1°15	47.8874	10·2	...	-48°429	+3°210	-4	E	...	...	-43°946	-49°764	0°90	47.8880	10·4
...	53°250	-32°926	0°75	...	...	...	48°105	-44°841	-4	E	...	...	43°936	-38°580	-5	E	...
...	53°223	+31°480	-5	...	...	*	47°994	-12°018	0°80	...	...	...	43°753	+37°987	-5	M	...
n*	53°157	+3°566	1°05	46.9310	10·2	*	47°701	+44°814	1°00	46.9314	10·4	...	43°665	-51°139	-3	E	...
...	52°968	+13°385	-5	E	...	...	47°623	+14°236	-5	M	...	*	43°646	+42°942	0°90	...	...
71	-52°778	+17°815	-5	E	...	131	-47°615	-18°104	-3	...	...	191	-43°615	+30°071	-5	M	...
...	52°603	+46°922	-5	E	...	...	47°588	+33°457	-4	M	...	...	43°532	-10°155	-5	M	...
...	52°513	-0°740	-5	M	...	...	47°550	+37°646	-3	...	...	...	43°267	+48°214	-4	M	...
...	52°446	-55°845	-5	M	...	*	47°523	-17°833	1°10	47.8878	10·4	...	43°251	-2°546	-4	E	...
*	52°252	-15°056	1°00	...	...	...	47°439	-23°484	-5	E	...	...	43°002	-2°725	-5	E	...
...	-52°250	+15°953	-5	E	...	...	-47°436	-59°416	-3	...	...	...	-42°875	-2°167	-4	E	...
...	52°241	-34°856	-5	E	...	*	47°376	-30°043	0°90	...	...	...	42°820	-51°366	-3	E	...
†	52°207	+25°077	-4	E	...	...	47°330	-1°250	-4	E	...	...	42°786	+32°456	-4	M	...
...	51°972	+26°082	-4	E	...	...	47°307	-16°143	-5	M	...	...	42°777	+27°954	-2	...	...
...	51°451	-8°402	0°75	...	...	...	47°048	-57°005	-4	E	...	...	42°777	-33°796	-4	E	...
81	-51°440	+46°929	-4	...	...	141	-47°010	+48°359	-4	M	...	201	-42°608	-26°593	-5	E	...
...	51°253	+41°268	-1	...	...	...	46°887	+24°595	-4	E	...	...	42°550	-23°153	-4	E	...
*	51°242	-52°454	2°00	47.8875	9·0	...	46°840	-32°746	-4	E	...	...	42°484	-24°179	-4	E	...
...	51°201	+32°311	-5	E	...	...	46°772	-27°918	-1	...	...	...	42°482	+6°038	-5	M	...
...	51°194	+39°618	-5	E	...	...	46°739	-37°339	-4	E	...	...	42°422	-16°500	-2	...	...
...	-51°180	+27°542	-4	E	...	...	-46°665	+15°318	-2	...	...	...	-42°377	-12°027	-5	E	...
...	50°704	+13°681	-5	E	...	...	46°611	+27°710	-4	E	...	...	42°313	+35°719	-2	...	...
...	50°524	+32°002	0°95	...	...	*	46°573	+0°685	1°00	46.9315	10·2	...	42°288	-33°787	-3	E	...
...	50°227	+33°758	-4	E	...	...	46°500	-42°990	0°90	...	...	...	42°268	+56°832	-5	M	...
...	50°217	-37°329	-3	...	...	...	46°531	-4°237	-5	E	...	...	42°232	+40°182	-2	...	...
91	-50°209	+16°876	-5	M	...	151	-46°471	+50°407	-4	E	...	211	-41°984	-40°259	-5	M	...
...	50°195	-34°124	-5	E	...	...	46°321	+19°641	-5	E	...	...	41°971	-35°825	-4	E	...
...	50°190	+14°798	0°70	...	...	...	46°275	+49°821	-2	...	...	...	41°916	+38°712	-3	M	...
...	50°121	+43°209	0°95	...	...	...	46°219	-12°289	-4	E	...	...	41°888	-35°331	-3	E	...
...	50°117	+13°922	0°85	...	...	...	46°178	+41°895	-1	...	...	...	41°823	+13°632	-5	M	...
...	-50°101	-3°399	-4	E	...	...	-46°110	-43°779	-5	E	...	...	-41°816	+19°040	-4	M	...
...	50°050	-15°224	0°90	...	...	...	46°075	-26°932	-3	E	...	...	41°689	+22°459	-5	M	...
†	50°046	+37°237	1°00	46.9312	10·4	...	46°010	+16°896	-2	...	...	...	41°543	+8°227	-3	...	...
†	50°016	+28°492	-5	E	...	...	45°964	-5°766	-5	E	...	...	41°474	+55°269	-2	...	...
†	49°954	+37°086	-4	E	...	...	45°937	-25°226	-1	...	...	...	41°404	-56°873	-2	...	...
101	-49°891	-1°768	-4	E	...	161	-45°854	-3°734	0°80	...	...	221	-41°387	+53°185	-5	M	...
...	49°891	-28°288	-3	E	...	...	45°820	+33°551	-3	E	...	...	41°322	-20°518	-5	M	...
...	49°805	-50°067	-2	E	...	...	45°755	+17°068	-4	E	...	...	41°302	-5°543	-2	...	...
...	49°691	+31°719	-5	E	...	...	45°748	+20°845	-5	M	...	*	41°245	+33°672	1°80	46.9316	9°0
...	49°674	-4°700	-4	E	...	*	45°725	+59°978	-4	...	...	...	41°083	-31°770	-4	M	...
*	-49°596	-57°027	1°80	47.8876	9·6	*	-45°697	-14°594	1°00	47.8879	10·2	*	-41°051	-12°615	1°20	47.8882	10·2
...	49°366	-15°937	-5	E	...	*	45°583	+18°280	0°80	...	...	...	40°939	+49°435	-1	...	...
...	49°351	+23°505	-2	...	...	*	45°483	+14°369	-3	...	...	*	40°851	+12°800	1°00	46.9317	9°9
...	49°230	-9°485	-4	E	...	*	45°353	-41°153	1°00	...	...	*	40°810	-58°876	1°70	47.8881	9°8
*	49°190	+27°281	1°00	46.9313	10·2	*	45°342	-42°813	0°95	...	...	...	40°605	+34°606	-1	...	...
III	-49°158	-44°878	-4	E	...	171	-45°149	-35°542	-3	E	...	231	-40°537	-0°665	-5	M	...
...	49°137	+11°278	-2	...	...	...	44°957	-34°349	-1	...	...	...	40°457	+5°775	-1	...	...
...	49°055	-13°020	-4	E	...	...	44°834	-53°171	-4	E	...	...	40°433	+38°019	-4	M	...
*	48°973	-17°922	1°00	47.8877	10·2	...	44°804	-8°264	-4	E	...	...	40°346	-2°816	-2	...	...
...	48°943	-58°467	-4	E	...	...	44°660	+45°262	-4	M	...	...	40°325	+56°718	-4	...	...
...	-48°871	-40°522	-3	E	...	...	-44°621	-38°660	-2	E	...	S*	-40°305	+11°216	2·85	46.9318	8·2
...	48°704	-11°693	-4	E	...	...	44°512	-26°143	-3	E	...	...	40°205	-46°430	-5	M	...
...	48°688	-7°898	-4	E	...	...	44°498	+4°071	-3	...	...	...	40°083	-40°039	-4	M	...
...	48°661	-53°950	-5	E	...	...	44°486	-7°979	-1	...	...	...	39°953	-11°830	-3	M	...
...	48°651	+23°552	-1	...	...	...	44°471	-30°916	-3	E	...	...	39°824	-13°982	-5	M	...

65, 69. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·70	No.	Mag.		x.	y.	o·70	No.	Mag.		x.	y.	o·70	No.	Mag.
241-300						301-360						361-420					
241	-39·730	+42·855	1·00	o	...	301	-34·958	-37·163	-4	o M	...	361	-30·657	-18·948	-4	o M	...
...	39·498	+5·364	0·90	...	...	...	34·808	-19·869	-2	M	...	...	30·498	+11·305	-1	...	...
*	39·370	+43·854	1·00	...	...	n	34·791	-16·800	-5	M	...	...	30·357	+22·080	-4	M	...
...	39·137	+29·139	-5	M	...	...	34·752	-16·849	o·90	47.8884	10·2	...	30·295	-49·004	-1	...	...
...	39·100	-10·429	0·75	...	...	...	34·784	+51·882	-1	...	...	...	29·860	-21·168	-3	...	...
*	-39·067	+12·093	1·00	46.9319	9·2	...	34·753	+31·519	o·80	...	...	*	29·654	+36·469	-2	...	...
*	39·047	+44·316	2·30	46.9320	8·4	...	34·734	-40·793	-3	M	...	29·246	+17·064	1·00	46.9334	9·8	
38·833	-48·654	-4	M	...	...	...	34·724	-38·056	-1	...	...	29·227	+52·613	-3	...	...
...	38·801	+33·101	0·65	...	...	...	34·704	-46·125	-3	M	...	*	29·166	+13·084	2·00	46.9333	9·0
...	38·620	-31·530	-5	M	...	...	34·472	+56·628	-5	M	...	...	28·967	+8·569	-5	M	...
251	-38·602	-33·383	-3	...	...	311	-34·369	-4·388	-2	...	...	371	-28·853	-28·545	-5	M	...
...	38·582	+2·635	-5	M	...	...	34·221	+53·027	-2	...	...	...	28·798	+30·853	-5	M	...
...	38·553	-28·830	0·95	...	...	...	34·048	-1·892	-2	...	...	...	28·789	+47·635	-3	M	...
*	38·476	+32·721	0·95	...	...	...	33·994	-16·947	o·90	...	...	...	28·727	+9·184	-3	...	...
...	38·448	+9·624	-4	...	...	...	33·750	+10·509	-2	...	...	...	28·641	+55·756	-3	...	...
...	38·368	+22·683	0·80	...	...	*	33·727	+16·050	1·20	46.9328	9·9	...	28·595	+1·528	-2	...	...
...	38·364	-28·511	-5	M	...	...	33·712	-10·765	-5	M	...	...	28·446	+22·277	-2	...	...
...	38·332	+32·399	-3	...	...	*	33·680	+49·516	1·30	46.9329	9·9	...	28·325	-34·034	-5	M	...
...	38·327	+0·739	-4	M	...	*	33·659	-51·551	1·20	47.8886	10·2	*	28·266	-43·130	0·95	47.8892	10·2
...	38·304	+30·267	-5	M	...	...	33·599	+6·731	-5	...	...	...	28·111	-31·095	-3	...	...
261	-38·304	+23·795	-2	...	...	321	-33·576	+1·324	1·10	46.9327	10·0	381	-28·066	-55·445	-5	M	...
*	38·260	+55·300	1·00	...	...	*	33·412	+22·532	o·95	...	...	...	27·882	-17·773	-3	...	...
...	38·099	-26·067	-2	...	...	...	33·386	-16·669	o·90	...	...	...	27·695	-37·798	-4	M	...
...	38·038	+47·778	-4	...	...	...	33·374	-0·074	-1	...	...	*	27·617	+48·052	1·00	46.9335	9·6
...	37·862	-16·602	0·85	...	...	...	33·343	-31·066	-5	M	...	...	27·509	-24·958	-4	M	...
...	37·814	+41·362	0·85	...	...	...	33·335	+38·604	-5	M	...	...	27·441	+15·602	-3	...	...
...	37·811	+3·004	-5	M	...	*	33·274	+57·519	1·60	46.9330	9·8	...	27·383	-23·411	-1	...	...
...	37·771	-7·014	0·70	...	...	...	33·186	+18·654	-5	M	...	...	27·203	-23·658	-5	M	...
*	37·597	+50·960	1·05	46.9321	10·4	...	33·147	-36·797	-5	M	...	...	27·175	+56·613	-4	...	...
*	37·522	-49·281	1·00	...	...	...	33·042	+54·916	-5	M	...	...	27·010	-46·928	-4	M	...
271	-37·506	-26·789	-3	...	...	331	-32·947	-54·265	-4	M	...	391	-26·983	-52·110	-1	...	...
*	37·485	-57·091	1·15	47.8883	9·9	...	32·926	+34·246	-5	M	...	...	26·872	+49·515	-4	M	...
...	37·454	-17·950	-4	M	...	...	32·853	+17·068	-5	M	...	...	26·839	-26·324	-4	M	...
...	37·366	+12·908	-4	M	...	*	32·797	+43·692	1·00	46.9331	10·4	...	26·791	+26·310	-2	...	...
...	37·048	+38·321	0·95	...	...	...	32·677	+38·731	-5	M	...	*	26·757	-31·458	o·80	47.8893	10·4
*	-36·829	+53·434	1·15	46.9323	10·2	...	32·617	+58·231	-5	M	...	*	26·694	+10·815	o·85	46.9336	10·4
...	36·812	-6·400	-4	M	...	...	32·575	+28·080	-5	M	...	...	26·635	-13·719	-3	...	...
*	36·793	+32·352	2·00	46.9322	8·8	...	32·395	-21·476	o·85	...	...	...	26·559	+59·301	-3	...	...
...	36·686	-21·112	-4	M	...	*	32·393	-56·074	1·15	47.8887	10·2	...	26·530	-51·157	-3	M	...
...	36·426	-42·247	-2	...	...	...	32·380	-25·597	o·95	...	...	...	26·391	-48·613	-3	M	...
*	-36·365	+49·918	1·60	46.9324	9·0	*	32·093	+42·184	1·00	...	...	401	-26·369	-17·117	4·50	47.8894	7·2
...	36·354	-43·107	-5	M	...	...	31·894	-22·171	o·75	...	...	...	26·266	-24·425	-1	...	...
...	36·088	-27·236	-2	M	...	...	31·874	-40·949	-4	M	...	...	26·051	+23·412	-5	M	...
...	36·018	+35·920	-5	M	...	...	31·874	-47·101	-4	M	...	...	26·050	+0·803	-4	...	...
*	36·014	+34·848	1·05	46.9325	10·4	*	31·856	-43·793	1·00	47.8888	10·4	...	25·731	-0·246	-4	M	...
...	-36·007	-47·441	-5	M	...	*	31·758	-3·801	1·00	47.8890	10·4	...	25·700	+48·613	-5	M	...
...	35·959	+24·756	-3	...	...	...	31·600	-53·439	-4	M	...	*	25·608	-42·767	1·80	47.8895	9·0
...	35·922	-52·403	-1	...	...	...	31·599	+15·001	-5	M	...	...	25·314	+33·295	-2	...	...
...	35·835	-19·142	-5	M	...	...	31·575	+1·019	o·70	...	...	...	25·305	+34·278	-4	M	...
...	35·774	+2·792	-4	...	...	...	31·546	-26·881	-5	M	...	...	25·192	+33·350	-5	M	...
291	-35·713	-0·840	-4	M	...	351	-31·508	-18·548	-4	M	...	411	-25·171	-26·861	-4	M	...
...	35·710	-49·888	-5	M	...	...	31·454	-32·872	-2	...	...	...	25·137	+9·260	-2	...	...
...	35·622	+16·852	-5	M	...	...	31·395	-38·375	-4	M	...	...	25·051	+29·203	-2	...	...
...	35·470	+16·321	-4	...	...	...	31·296	-32·935	-5	M	...	+	24·988	+52·939	1·00	46.9337	10·2
n*	35·430	-16·879	1·00	47.8884	10·2	+	31·243	-54·636	1·00	47.8889	10·4	...	24·923	-45·973	-4	M	...
...	-35·247	+23·543	0·85	...	...	...	31·170	-21·431	-5	M	...	...	-24·891	+19·340	-5	M	...
...	35·190	-14·785	2·80	47.8885	8·2	S*	31·115	-9·067	2·95	47.8891	8·3	*	24·823	+54·033	0·95	46.9338	10·4
...	35·080	+3·376	1·15	46.9326	9·8	S*	31·077	+37·438	2·05	46.9332	8·4	...	24·784	-5·051	-2	...	...
...	35·017	-22·496	-5	M	...	...	30·987	+42·303	-4	M	...	...	24·694	+53·793	-1	...	...
...	34·987	+46·202	-4	...	...	...	30·811	+14·044	-5	M	...	...	24·683	+45·910	-1	...	...

295, 304. C.P.D., place agrees with mean.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·70	No.	Mag.		x.	y.	o·70	No.	Mag.		x.	y.	o·70	No.	Mag.	
421-480																		
421	-24·651	+37·862	-4	°M	...	481	-19·665	+0·340	2·00	47·8900	9·4	541	-13·790	-50·199	1·00	47·8905	10·4	
...	24·598	+19·423	-3	...	...	...	19·656	+55·015	-4	...	...	...	...	13·732	+38·546	1·05	46·9348	9·8
†	24·525	+50·006	-5	M	...	...	19·564	-52·216	-5	M	...	...	...	13·606	+35·114	-2	...	...
...	24·412	+56·074	-3	...	...	...	19·554	-17·979	-5	M	...	...	...	13·414	+44·618	0·85	...	...
...	24·376	+21·558	-4	M	...	...	19·501	-41·418	0·90	...	...	...	...	13·408	+38·418	1·25	46·9349	9·6
...	-24·295	+49·390	-5	M	...	...	-19·497	-43·780	-5	M	...	...	...	-13·326	-29·430	-5	M	...
...	24·126	+30·942	-3	...	...	...	19·402	+10·975	-3	...	...	...	...	13·187	+27·267	-3	...	...
...	24·048	-52·519	-5	M	...	...	19·261	+21·245	-5	M	...	...	...	13·154	+51·602	1·00	...	...
...	24·032	-8·166	-4	M	...	...	19·228	-44·145	-2	M	...	...	...	13·145	-20·325	-5	M	...
*	23·892	-48·126	1·20	47.8896	9·9	...	19·182	+8·201	0·95	...	...	...	...	13·051	-7·572	1·00	...	...
431	-23·777	+38·621	-4	M	...	491	-19·178	+23·493	0·90	...	...	...	...	-13·009	-49·385	-5	M	...
...	23·677	-15·112	-5	M	...	...	18·950	-15·689	-2	...	...	...	...	12·955	+55·044	-5	M	...
...	23·619	+45·373	-4	M	...	...	18·627	+59·221	-5	...	...	...	...	12·826	-55·113	-5	M	...
...	23·527	-34·121	-5	M	...	*	18·585	-57·741	1·30	47.8901	9·9	*	...	12·749	-47·950	1·05	47.8906	10·0
*	23·315	+19·432	-3	...	...	...	18·553	-24·191	-2	...	...	...	...	12·673	-26·162	-5	M	...
*	-23·242	+15·202	0·90	46.9339	10·4	*	-18·473	+37·833	1·50	46.9342	9·3	...	...	-12·408	+5·568	-1	...	...
...	23·230	+22·726	-5	M	...	...	18·196	-24·164	-5	M	...	...	...	12·216	+52·153	-4	...	...
...	23·217	-56·666	-2	...	...	*	17·981	-57·672	1·00	47.8902	10·4	...	...	12·123	-1·490	-1	...	...
...	23·047	-32·473	-4	M	...	...	17·977	-42·994	0·70	...	...	...	...	12·019	+30·344	-4	...	...
...	22·968	+51·439	-3	...	...	*	17·864	+5·018	1·40	46.9343	9·4	S*	...	11·982	-22·812	3·00	47.8907	8·0
441	-22·783	-55·953	-2	...	...	501	-17·755	+12·699	-2	...	...	...	...	-11·971	-37·698	0·90	...	...
†	22·767	-24·823	-4	M	...	...	17·569	-52·924	-5	M	...	...	...	11·824	+36·392	-4	...	...
...	22·752	-58·674	-5	M	...	*	17·474	-52·162	1·20	47.8903	9·8	*	...	11·685	-53·209	1·00	47.8908	10·4
*	22·617	+59·232	1·60	46.9340	9·3	...	17·394	-50·102	0·90	...	...	...	...	11·668	+36·674	1·15	46·9350	9·6
...	22·595	+47·810	-4	M	...	...	17·263	+46·694	-5	M	...	...	...	11·502	+39·898	-5	M	...
...	-22·585	+33·293	-5	M	...	...	-17·258	-2·423	0·70	...	...	...	...	-11·426	-41·933	-2	...	...
...	22·547	-54·173	-5	M	...	...	17·245	+37·297	0·90	...	...	...	...	11·350	+52·589	-4	...	...
...	22·507	-33·636	0·80	...	...	*	17·195	-8·018	1·00	...	...	...	...	11·328	+55·830	-5	M	...
...	22·254	+4·961	-5	M	...	...	17·162	+39·035	0·65	...	...	...	...	11·288	+1·756	-5	M	...
...	22·021	+22·980	-4	M	...	...	17·155	+35·741	-5	M	...	...	...	11·105	-9·370	-3	M	...
451	-21·966	+16·071	-3	...	...	511	-16·991	-30·650	0·70	...	...	...	...	-11·026	+22·445	-4	...	...
†	21·871	-29·709	0·85	...	...	...	16·826	+37·568	0·80	...	...	...	...	10·887	+13·582	-2	...	...
...	21·581	+1·552	-4	...	...	...	16·791	-44·499	-5	M	...	...	...	10·882	-5·531	-1	...	...
...	21·565	-3·715	-3	...	...	...	16·650	+1·285	-5	...	...	...	...	10·872	+3·264	0·70	...	...
...	21·543	+9·468	-4	...	...	...	16·643	-8·398	0·80	...	...	...	...	10·755	-20·448	-2	...	...
...	-21·482	+3·259	-4	...	...	...	-16·481	+45·989	-5	M	...	...	...	-10·748	-17·569	0·70	...	...
...	21·393	-3·748	-4	...	...	...	16·331	-19·452	-5	M	...	...	...	10·737	-45·255	-5	M	...
...	21·299	+19·245	-2	...	...	...	16·320	-38·707	-4	M	...	...	...	10·724	-34·100	-5	M	...
...	21·271	+57·198	-4	...	...	*	16·203	+25·589	1·10	46.9344	10·2	...	...	10·458	-33·863	-4	...	...
...	21·124	+37·636	-4	M	...	...	16·033	+44·047	-5	M	...	...	...	10·305	-19·231	-3	...	...
461	-21·080	+53·876	-5	M	...	521	-15·675	+21·224	-4	...	...	...	...	-10·206	-0·308	-1	...	...
...	20·958	-4·395	-1	...	...	*	15·671	+8·722	1·05	46.9345	10·4	†	...	10·095	+32·097	-3	...	...
...	20·734	-56·235	-2	...	...	...	15·590	-19·531	-5	M	...	...	...	9·949	-7·287	-3	...	...
...	20·706	-12·809	-1	...	...	*	15·379	+43·401	1·30	46.9346	9·6	...	...	9·850	+17·577	-5	M	...
...	20·564	-13·061	-4	...	...	...	15·238	+48·343	-5	M	...	...	...	9·810	-43·730	-4	M	...
...	-20·519	+51·818	-4	M	...	...	-15·227	+33·749	-3	...	...	...	...	-9·806	-28·016	0·90	47.8909	10·4
...	20·511	-15·602	-2	...	...	S*	15·170	-53·476	3·10	47.8904	7·8	...	...	9·774	+0·404	-4	...	...
...	20·502	+31·805	-3	...	...	...	15·142	+33·764	0·70	...	...	...	...	9·769	+20·226	1·00	46.9351	10·0
...	20·493	+6·341	-2	...	...	*	15·123	+51·904	1·00	...	...	...	...	9·747	-6·042	-5	M	...
...	20·456	+28·752	-4	M	...	†	15·112	-22·690	-5	M	...	...	...	9·662	+39·526	0·95	46.9352	10·4
471	-20·404	+31·137	-5	M	...	531	-15·091	+0·320	-3	...	...	...	...	-9·550	+9·376	-4	...	...
*	20·385	-7·453	1·60	47.8897	9·4	...	14·811	+12·790	-4	...	...	...	...	9·533	+11·479	-5	M	...
...	20·382	-10·740	-3	...	...	...	14·566	-35·947	-5	M	...	...	...	9·498	-59·529	1·00	48.9836	10·0
...	20·360	+29·466	0·80	...	...	...	14·313	-37·072	-5	M	...	...	...	9·489	-0·658	-4	M	...
*	20·243	-17·875	1·30	47.8899	9·8	...	14·179	+2·727	-3	...	...	...	...	9·481	-23·837	0·80	...	...
*	-20·227	-20·414	1·00	47.8898	10·2	...	-14·074	-47·841	0·90	...	...	...	...	-9·474	-25·590	-2	...	...
...	20·119	+27·972	-5	M	...	*	14·045	+49·572	1·10	46.9347	10·2	†	...	9·379	+40·106	-4	M	...
...	19·845	-56·713	0·95	...	...	...	14·038	-46·981	-5	M	...	...	...	9·352	+41·114	0·85	46.9354	10·4
†	19·684	+35·130	-5	M	...	...	13·971	-50·102	-4	...	...	...	...	9·309	+28·647	0·90	46.9353	10·4
...	19·680	-59·406	-5	M	...	...	13·921	-56·890	-5	M	...	...	...	9·053	+45·863	0·80	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o.70	No.	Mag.		x.	y.	o.70	No.	Mag.		x.	y.	o.70	No.	Mag.
601-660																	
601	- 8.968	+ 0.677	1.00	47.8910	10.4	661	- 3.735	+ 44.504	- 5	° M	...	721	+ 2.382	- 47.665	- 5	° M	...
*	8.817	+ 16.463	- 3	...	...	...	3.732	+ 18.805	- 5	M m	...	*	2.397	+ 8.083	1.05	46.9365	10.4
*	8.726	- 13.597	0.95	47.8911	10.4	...	3.671	+ 47.281	- 2	...	...	*	2.415	- 0.009	1.30	47.8919	9.8
...	8.707	- 28.682	- 2	...	...	...	3.444	+ 39.014	- 5	M	...	*	2.484	+ 11.488	1.00	46.9364	10.4
...	8.605	- 12.719	- 5	M	...	...	3.431	+ 16.218	- 4	...	...	...	2.741	- 55.479	- 5	M	...
...	- 8.581	+ 2.627	- 5	M m	...	...	3.187	+ 49.801	0.85	46.9361	10.4	+	2.791	+ 47.415	0.70	...	...
...	8.555	- 27.891	- 5	M	...	...	3.022	+ 47.971	- 5	M m	...	...	2.814	- 42.117	- 5	M m	...
*	8.478	- 47.972	1.00	47.8912	10.2	...	2.932	- 41.200	0.80	...	...	...	2.903	+ 22.705	- 4	...	...
†	8.466	+ 55.010	1.50	46.9356	9.3	...	2.857	+ 0.667	- 4	M m	...	...	2.920	+ 45.930	0.75	...	...
...	8.457	+ 45.480	- 1	...	...	...	2.770	+ 22.193	- 4	...	...	...	3.041	- 33.289	- 3	M	...
661-720																	
611	- 8.295	+ 46.089	- 2	...	...	671	- 2.531	- 58.581	- 1	...	...	*	+ 3.048	- 39.016	1.30	47.8920	10.0
*	8.288	+ 32.721	1.60	46.9355	9.4	...	2.509	- 46.435	- 5	M	...	...	3.053	+ 36.551	- 5	M m	...
...	8.096	+ 43.878	- 4	...	...	...	2.492	- 48.202	- 4	M	...	...	3.067	- 53.380	- 5	M	...
*	8.075	- 31.112	0.95	47.8913	10.4	...	2.415	- 5.332	- 5	M	...	...	3.420	+ 38.524	0.85	...	...
...	8.049	- 20.769	- 4	M	...	...	2.362	+ 41.129	- 1	...	...	...	3.427	+ 14.920	- 5	M m	...
...	- 7.910	+ 52.452	- 3	...	...	...	2.224	+ 15.569	- 5	M	...	*	+ 3.494	+ 47.817	1.00	46.9366	10.2
...	7.730	- 56.214	- 5	M	...	...	2.202	- 49.674	- 2	...	...	...	3.905	+ 13.415	- 5	M	...
...	7.667	- 18.039	- 4	...	...	...	2.185	- 21.566	- 2	...	...	...	4.207	+ 35.967	- 2	...	...
...	7.544	+ 35.703	0.80	...	...	...	2.097	- 4.748	- 4	M	...	...	4.236	- 57.836	- 1	...	...
...	7.503	+ 8.091	- 4	...	...	...	2.086	+ 17.758	- 1	...	...	...	4.340	- 45.597	- 5	M	...
721-780																	
621	- 7.476	- 1.758	- 4	M	...	681	- 1.940	+ 33.334	- 2	...	...	741	+ 4.770	+ 46.375	0.75	...	...
...	7.452	+ 56.842	- 3	...	...	...	1.847	- 34.699	0.85	...	...	...	4.799	- 29.981	- 5	M	...
...	7.426	+ 21.335	0.65	...	...	...	1.809	+ 39.360	0.90	...	...	...	4.940	- 59.247	- 5	M m	...
...	7.290	+ 43.935	- 4	M	...	...	1.397	- 50.210	- 2	...	...	...	5.021	- 2.929	- 3	...	...
...	7.224	+ 52.443	- 5	M	...	...	0.792	+ 8.608	1.00	46.9362	10.2	...	5.584	- 43.221	- 5	M	...
...	- 6.931	+ 59.430	- 2	...	...	...	0.724	+ 30.339	- 3	...	...	...	5.638	- 29.622	- 4	M	...
...	6.776	- 23.938	- 4	M	...	...	0.653	- 9.927	- 5	M	...	...	5.769	+ 19.443	- 2	...	...
...	6.682	+ 59.025	- 2	...	...	...	0.621	- 45.465	- 4	M	...	...	5.805	+ 41.867	- 2	...	...
...	6.675	+ 27.586	- 4	M m	...	...	0.604	- 56.904	- 5	M	...	...	5.903	+ 8.529	- 1	...	...
...	6.388	+ 36.534	- 4	...	...	...	0.435	- 17.362	- 4	M	...	...	6.218	- 42.255	- 5	M	...
691-751																	
631	- 6.341	+ 3.662	- 5	M	...	691	- 0.304	- 48.788	- 3	...	...	751	+ 6.267	+ 53.724	- 5	M m	...
...	6.250	+ 52.921	- 3	...	...	...	0.237	- 56.418	0.80	47.8917	10.4	...	6.267	+ 36.780	- 4	...	...
†	5.858	+ 35.012	- 4	...	...	...	0.220	- 56.702	1.00	47.8916	10.2	...	6.398	- 26.433	- 4	M	...
...	5.823	+ 18.217	- 3	...	...	...	0.227	- 29.278	1.00	47.8918	10.2	...	6.420	- 51.236	- 5	M	...
...	5.804	+ 50.614	- 1	...	...	...	0.270	- 15.142	- 5	M	...	...	6.596	+ 13.308	- 2	...	...
...	- 5.787	+ 1.406	- 3	...	...	...	0.479	- 25.761	0.80	...	...	...	6.767	+ 48.516	- 3	...	...
...	5.756	+ 58.661	- 5	M	...	...	0.695	+ 41.353	- 3	...	...	...	6.851	+ 44.137	- 5	M m	...
*	5.651	- 32.364	0.90	47.8914	10.4	...	0.716	- 48.709	0.80	...	...	...	6.875	+ 27.892	0.65	...	...
...	5.629	+ 4.921	- 5	M m	...	...	0.791	+ 36.581	- 5	M	...	...	7.190	+ 59.344	- 4	...	...
...	5.626	+ 50.413	- 3	...	...	...	0.872	- 40.194	- 4	M	...	*	7.197	+ 8.023	1.05	46.9367	10.4
701-761																	
641	- 5.622	- 3.679	- 4	M	...	701	+ 0.894	- 55.217	- 4	M	...	*	+ 7.479	+ 19.653	1.10	46.9368	10.2
...	5.555	- 55.981	- 4	M	...	...	0.933	+ 25.698	- 5	M	...	...	7.481	- 42.494	- 4	M	...
*	5.202	+ 54.521	1.00	46.9357	10.2	...	1.067	- 11.155	- 3	M	...	...	7.602	- 38.631	- 2	...	...
...	5.005	- 59.122	- 3	...	...	...	1.113	- 10.590	- 2	...	...	...	7.694	+ 40.076	- 5	M m	...
...	4.900	- 41.440	- 5	M m	...	...	1.149	- 22.386	- 4	M	...	...	7.744	- 12.725	- 5	M	...
...	- 4.891	+ 53.959	- 4	M	...	...	1.248	+ 34.219	- 2	...	...	...	7.778	- 33.988	0.85	...	...
...	4.810	+ 37.438	- 5	M m	...	...	1.345	- 10.333	- 2	...	...	*	7.817	+ 31.196	1.20	46.9369	10.2
...	4.724	+ 52.895	- 4	M m	...	...	1.361	- 54.085	- 5	M	...	...	7.864	- 53.522	0.95	...	...
...	4.698	+ 40.547	- 5	M	...	...	1.524	- 53.108	- 4	...	...	*	7.998	- 58.961	1.00	47.8921	10.4
*	4.692	+ 37.954	1.50	46.9359	9.1	...	1.541	- 39.510	0.80	...	...	*	8.003	- 30.012	1.00	...	...
711-771																	
*	- 4.662	+ 13.907	1.00	46.9358	10.4	...	+ 1.610	- 14.254	- 5	M	...	*	+ 8.142	- 25.389	1.00	47.8922	10.4
...	4.609	- 42.115	- 2	...	...	...	1.631	+ 19.182	- 5	M	...	...	8.164	- 38.430	- 4	M	...
...	4.547	+ 31.480	- 2	...	...	...	1.632	- 6.063	0.95	...	...	...	8.190	- 1.737	- 4	M	...
...	4.291	+ 55.304	- 3	...	...	...	1.717	+ 20.757	1.00	46.9363	10.2	...	8.195	+ 41.722	- 3	...	...
...	4.239	- 23.990	- 4	m	...	...	1.734	+ 10.343	- 5	M	...	...	8.258	+ 45.891	- 4	...	...
...	- 4.036	- 25.158	- 2	...	...	...	+ 1.973	+ 33.231	- 5	M	...	...	+ 8.375	- 9.549	- 5	M	...
...	3.978	- 45.405	0.90	47.8915	10.4	...	1.993	- 28.995	- 5	M	...	...	8.511	+ 39.267	- 4	...	...
...	3.855	+ 3.896	- 5	M	...	...	2.107	- 49.882	- 4	M	...	...	8.598	- 31.349	- 4	M	...
...	3.747	+ 42.232	- 4	M	...	...	2.267	- 44.511	- 5	M	...	*	8.970	- 34.014	1.30	47.8923	9.8
...	3.739	+ 50.579	0.95	46.9360	10.2	...	2.367	- 56.493	- 5	M	...	...	8.989	+ 31.516	- 3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0.70	No.	Mag.		x.	y.	0.70	No.	Mag.		x.	y.	0.70	No.	Mag.
781-840																	
78I	+ 9°037	-12°137	-5	o.	...	84I	+ 14°400	+ 6°036	- 1	o.	...	90I	+ 20°329	-15°505	- 4	o.	...
...	9°110	-22°101	-5	...	...	...	14°438	-32°855	- 4	...	...	...	20°331	-41°069	- 4	...	...
*	9°111	-42°021	1°00	...	...	*	14°699	-5°508	1°10	47.8929	10°2	*	20°367	+11°800	1°15	46.9377	10°4
...	9°203	-27°667	-5	...	...	...	14°700	-4°161	- 5	...	...	*	20°475	+28°864	1°00	46.9378	10°4
...	9°363	+21°991	-4	...	...	...	14°707	-44°962	- 3	...	...	...	20°679	-56°848	- 4	...	...
...	+ 9°526	-22°924	-4	...	...	†	+ 14°864	-42°934	- 2	...	...	*	+ 20°781	-46°378	1°15	47.8937	9°8
...	9°684	-44°000	-5	...	...	†	14°887	+ 6°533	- 5	...	...	...	20°786	-41°051	- 4	...	...
†	9°874	-10°447	-5	...	...	...	15°006	+17°187	- 5	...	...	...	20°848	-21°077	- 4	...	...
†	9°877	+44°137	-5	...	...	...	15°021	-35°812	- 4	...	...	...	20°878	- 3°990	- 5	...	...
†	9°906	+25°221	-4	...	...	...	15°250	+44°103	- 3	...	...	...	21°023	+13°759	- 3	...	...
79I	+ 9°976	+18°599	-2	...	...	85I	+ 15°514	-10°701	1°60	47.8930	9°6	...	21°444	+55°935	- 3	...	...
*	10°014	+35°859	0°90	46.9370	10°4	...	15°538	-12°157	- 2	...	...	...	21°542	-51°855	0°95	...	...
...	10°060	-46°423	0°65	...	...	...	15°687	+22°097	- 4	...	...	...	21°560	-41°249	- 4	...	...
†	10°163	-49°741	-4	...	...	...	15°912	+58°506	- 5	...	...	...	21°614	+23°852	- 4	...	...
...	10°184	+ 5°480	-4	...	...	...	16°016	+52°062	- 4	...	...	†	22°323	+15°123	- 5	...	...
...	+ 10°522	+49°388	-5	m	...	...	+ 16°268	+36°473	- 5	m	...	...	+ 22°352	+ 9°541	0°70	...	...
...	10°722	-10°274	-1	...	...	...	16°455	-50°335	- 4	...	...	*	22°354	+35°710	1°00	46.9379	10°4
...	10°775	+16°435	-1	...	...	...	16°484	+22°693	- 4	m	...	...	22°562	+35°488	- 4	...	...
...	10°996	+43°530	-2	...	...	...	16°534	-35°992	- 5	...	...	...	22°712	-17°777	0°85	...	...
...	11°056	-40°437	-1	...	...	...	16°536	-57°361	- 1	...	...	...	22°762	-57°691	0°65	...	...
80I	+11°232	-10°278	-3	...	...	86I	+ 16°554	+17°702	- 5	...	...	...	22°912	+37°507	- 2	...	...
...	11°235	-37°230	-5	...	...	...	16°584	-49°312	0°80	...	...	...	22°952	+13°380	- 2	...	...
*	11°278	-52°627	1°00	47.8924	10°2	...	16°702	-16°445	- 4	...	...	...	22°969	-41°078	- 4	...	...
*	11°415	+56°332	1°20	46.9371	9°8	...	16°745	+50°606	- 4	...	...	†	23°107	- 5°181	- 3	...	...
†	11°477	+45°016	-5	m	...	...	16°860	-34°870	- 4	...	...	...	23°297	- 7°148	- 5	...	...
†	+11°773	- 9°888	-5	...	...	...	+ 17°163	-43°579	- 3	...	...	...	+ 23°299	-58°619	- 2	...	...
...	12°024	-45°545	-5	...	...	...	17°179	-56°987	- 5	...	...	S*	23°424	-26°269	1°05	47.8938	9°8
...	12°076	-50°801	-2	...	...	*	17°243	-20°201	0°90	47.8931	10°4	+	23°570	+10°052	1°25	46.9380	9°9
...	12°113	+51°858	-3	...	...	...	17°480	+ 6°420	- 1	...	...	...	23°726	-14°368	0°75	...	...
...	12°172	+39°677	-5	m	...	...	17°566	-25°300	- 4	...	...	*	23°728	+38°134	0°95	...	...
81I	+12°207	-27°649	-3	...	...	87I	+ 17°778	-41°134	1°00	47.8932	10°4	*	23°798	-43°449	1°05	47.8939	10°2
...	12°242	-49°316	-1	...	...	†	17°849	+40°536	- 4	...	...	...	23°822	+37°669	- 4	...	...
...	12°249	-10°415	-5	...	...	...	18°118	+32°826	- 5	m	...	...	23°860	+ 2°048	- 5	...	...
...	12°292	+33°105	-4	...	...	*	18°182	-56°142	0°90	...	...	...	23°963	+10°837	0°75	...	...
...	12°337	-47°468	-2	...	...	...	18°185	-20°039	- 5	...	...	*	23°969	+29°784	0°95	...	...
...	+12°374	+11°799	-1	...	...	...	+ 18°457	+38°430	- 4	...	...	*	+24°017	- 2°597	2°60	47.8940	8°7
...	12°672	+47°148	-2	...	...	*	18°504	-50°715	1°00	47.8933	10°2	...	24°034	+41°791	- 4	...	...
*	12°790	-42°713	0°90	47.8925	10°4	...	18°649	+ 0°974	- 2	...	...	...	24°268	-58°762	- 2	...	...
...	12°962	+58°425	-5	m	...	...	18°681	-20°057	0°85	47.8934	10°4	...	24°329	- 9°213	- 5	...	...
...	13°099	-27°935	-3	...	...	...	18°885	-26°666	- 5	...	...	*	24°505	+ 1°096	1°00	...	...
82I	+13°243	+51°562	2°30	46.9372	8°4	...	+ 19°070	-50°290	- 4	...	...	...	+ 24°538	-22°063	- 5	...	...
*	13°399	+58°726	1°00	46.9373	10°2	*	19°071	+21°644	0°90	46.9376	10°4	...	24°617	+15°574	- 4	...	...
*	13°446	-11°233	0°90	47.8926	10°4	...	19°176	-23°290	- 5	...	...	...	24°740	+10°860	0°65	...	...
...	13°483	+31°812	-3	...	...	...	19°210	+26°501	- 5	m	...	...	24°785	+23°684	- 2	...	...
...	13°521	-33°265	-4	...	...	...	19°220	+26°491	- 4	m	...	...	24°980	+17°949	0°85	...	...
...	+13°577	-39°133	-4	...	...	...	+ 19°404	+38°848	- 4	m	...	...	+ 25°091	+53°230	- 5	m	...
*	13°614	+30°813	1°20	46.9374	9°6	*	19°511	-37°212	0°90	47.8935	10°4	...	25°092	- 7°784	- 5	...	...
...	13°614	-32°939	-5	...	...	...	19°538	+23°766	- 4	...	...	*	25°144	+14°956	1°00	46.9381	10°4
...	13°673	-59°084	-5	...	...	...	19°718	+29°311	- 4	...	...	S*	25°185	+13°901	2°10	46.9382	8°8
*	13°778	- 9°042	1°00	47.8927	10°2	...	19°730	- 3°969	- 1	...	...	...	25°273	+47°928	- 4	...	...
83I	+13°790	-38°552	-4	...	...	89I	+ 19°793	+44°266	- 1	...	...	...	+ 25°438	-47°753	- 4	...	...
...	13°957	+32°217	-2	...	...	...	19°935	-40°033	- 5	...	...	...	25°695	-32°297	- 4	...	...
...	13°974	+17°148	-1	...	...	...	20°010	-10°768	0°90	...	...	...	25°813	+31°828	- 4	...	...
...	14°074	+41°740	-2	...	...	...	20°103	-16°408	- 5	...	...	...	25°956	-48°030	- 5	...	...
...	14°087	+37°031	-5	m	...	...	20°120	+57°312	- 5	m	...	*	25°967	+32°471	1°00	46.9383	10°4
*	+14°099	+ 1°902	1°00	46.9375	10°4	...	+ 20°177	-16°681	- 5	...	...	...	+ 25°970	+12°315	- 4	...	...
...	14°274	+ 7°385	-5	...	...	*	20°182	-29°554	1°00	47.8936	10°0	...	26°012	+ 1°181	0°80	...	...
...	14°296	+46°448	-4	...	...	...	20°204	- 0°799	- 3	...	...	...	26°102	-34°198	- 2	...	...
*	14°297	-20°099	1°00	47.8928	10°4	...	20°323	+18°565	- 2	...	...	...	26°247	+37°458	- 4	...	...
...	14°320	+18°057	-3	...	...	...	20°328	-56°547	- 3	...	...	...	26°713	-15°946	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0·70	No.	Mag.		x.	y.	0·70	No.	Mag.		x.	y.	0·70	No.	Mag.
961-1020																	
961	+26·720	-8·680	-2	o	...	1021	+31·325	+4·216	0·65	o	...	1081	+37·316	+23·891	-4	m	...
*	26·822	+12·107	1·30	46.9384	10·0	...	31·338	-7·599	-4	...	...	...	37·405	-50·900	-5	...	...
...	26·920	+3·900	-5	...	...	...	31·340	+24·661	-4	m	...	...	37·538	-0·195	-5	m	...
...	27·054	+53·332	-4	...	...	...	31·426	-53·378	-5	...	...	...	37·658	+44·447	-3	...	...
...	27·057	+39·776	0·90	...	...	...	31·597	-11·116	-1	...	...	...	37·712	-37·689	-4	...	...
...	+27·078	-25·061	0·65	...	...	*	+31·627	+33·223	0·90	...	...	*	+37·818	-24·610	0·80	...	...
*	27·111	-17·218	1·00	...	...	...	31·682	+42·113	0·65	...	...	...	37·877	-5·906	-3	...	...
...	27·115	-41·177	-5	...	...	...	31·714	-7·100	-3	...	...	...	37·894	-28·070	-4	...	...
...	27·336	-38·561	-5	...	...	...	31·992	+11·650	-3	...	...	...	38·275	+6·229	0·80	46.9395	10·4
...	27·449	+12·257	0·90	...	...	...	32·050	-5·792	-4	...	...	*	38·333	+24·977	0·85	46.9396	10·4
971	+27·563	+26·342	1·05	46.9386	10·4	1031	+32·113	+30·556	-3	...	...	1091	+38·541	+9·986	-4	...	...
...	27·655	+58·852	-5	m	...	...	32·123	-6·015	-4	...	...	*	38·851	-53·475	1·00	47.8949	10·4
*	27·728	+48·884	1·40	46.9385	9·6	...	32·207	+3·728	-2	...	...	...	38·943	-58·543	-4	...	...
*	27·798	+10·406	1·00	...	...	...	32·232	-31·460	-3	...	...	†	39·016	-49·785	-4	...	...
...	27·833	-19·635	0·90	...	...	...	32·411	-58·012	-5	m	...	...	39·243	+7·010	-2	...	...
*	+27·845	-30·064	1·00	47.8941	10·4	...	+32·414	-27·396	-3	...	...	...	+39·534	-48·515	-5	...	...
...	27·864	+28·268	-5	m	...	...	32·583	-36·707	-4	...	...	*	39·593	+23·425	0·80	...	...
...	27·901	-20·757	-4	...	...	...	32·608	+0·250	-4	...	...	...	39·612	+33·650	-4	...	...
...	27·902	+26·006	-5	...	...	...	32·626	-43·203	-5	...	...	...	39·674	-37·266	-5	...	...
...	28·099	-33·626	0·65	...	...	...	32·628	+8·213	-5	m	...	...	39·888	-42·732	-4	...	...
981	+28·248	+6·607	-5	m	...	1041	+32·764	+54·640	-5	m	...	1101	+39·903	-2·860	-5	m	...
...	28·268	-8·461	-3	...	...	...	32·817	-10·564	-4	...	...	*	39·989	-41·983	1·05	47.8951	10·4
*	28·311	-39·452	1·20	47.8942	9·9	...	32·954	-42·564	-3	...	...	...	39·997	+11·980	-4	...	...
...	28·354	+58·827	-4	m	...	*	33·078	+5·894	1·20	46.9393	9·6	...	40·075	+44·691	-5	m	...
...	28·417	-42·128	-1	...	...	...	33·086	-46·524	-4	...	...	*	40·161	-4·130	2·50	47.8950	8·7
...	+28·539	-24·978	0·65	...	...	...	+33·090	-35·079	0·65	...	...	...	+40·161	-55·932	-5	m	...
...	28·568	-40·270	0·65	...	...	...	33·120	-15·782	-4	...	...	...	40·258	+26·579	-5	m	...
*	28·841	+54·824	1·15	46.9387	10·4	*	33·149	+44·820	0·90	46.9392	10·4	...	40·280	-43·008	-5	...	...
...	28·889	+22·318	-5	...	...	...	33·159	+48·859	-2	...	...	...	40·394	-35·962	-4	...	...
...	29·005	-5·912	-5	...	...	...	33·195	-53·288	-4	...	...	...	40·404	+7·085	-4	...	...
991	+29·014	+58·814	-3	...	*	1051	+33·370	+22·702	1·00	46.9394	10·2	...	+40·723	+53·313	-5	m	...
*	29·033	-23·019	1·05	47.8944	10·2	...	33·544	-20·582	-3	...	...	†	40·853	+15·037	-2	...	...
*	29·110	-5·212	1·00	47.8943	10·4	...	33·763	+32·322	-4	...	...	...	40·863	+2·742	0·85	...	...
...	29·117	-18·608	-4	...	...	...	33·785	+41·758	-5	m	...	...	40·973	-14·777	-1	...	...
...	29·182	-2·452	0·95	...	...	*	33·813	-6·614	1·00	47.8948	10·2	*	41·149	-12·378	1·00	47.8952	10·4
...	+29·255	+50·408	-5	m	...	...	+34·349	-53·825	-4	...	...	...	+41·170	-38·846	1·00	...	...
...	29·300	-51·066	-5	...	...	...	34·473	+27·694	-3	...	...	...	41·194	+10·816	-5	...	...
*	29·310	+20·660	1·05	46.9388	10·2	...	34·693	+37·135	-2	...	...	*	41·222	+29·538	1·00	46.9397	10·2
...	29·326	-42·460	-4	...	...	...	34·727	+58·713	-4	...	...	...	41·249	+11·369	-5	...	...
...	29·405	+9·053	-5	m	...	...	34·739	-36·693	-4	...	...	...	41·383	+36·515	-5	m	...
1001	+29·505	+20·026	0·70	...	...	1061	+35·018	+53·273	0·65	...	...	1121	+41·447	-58·680	-4	...	...
*	29·578	-12·237	1·05	47.8945	10·2	...	35·130	-1·708	-4	...	...	...	41·459	-32·264	-5	...	...
...	29·654	+34·782	-4	...	...	...	35·267	+53·306	-4	...	...	...	41·470	+59·359	-4	...	...
...	29·654	+16·158	-4	...	...	...	35·268	+16·909	0·65	...	...	...	41·509	-41·044	-5	...	...
...	29·686	-42·336	0·90	...	...	...	35·400	+43·478	-1	...	...	...	41·577	+53·127	-5	...	...
...	+29·691	-11·130	-5	...	...	...	+35·410	-14·199	-3	...	...	...	+41·590	+36·814	-4	...	...
...	29·757	-10·485	-4	...	...	...	35·419	-31·493	-5	...	...	...	41·592	+0·064	-4	...	...
S+	29·762	+58·853	2·95	46.9389	8·2	...	35·446	-13·776	-3	...	...	...	41·629	-32·815	-4	...	...
...	29·787	+38·982	-4	m	...	...	35·856	+52·533	-3	...	...	...	41·711	+37·468	-5	...	...
+	29·918	+39·040	-5	m	...	...	36·001	+44·840	-1	...	...	...	41·716	+45·218	-5	m	...
1011	+30·142	+21·557	-2	...	...	1071	+36·187	-1·473	-5	m	...	1131	+41·729	+9·467	-2	...	...
...	30·163	-40·999	-2	...	...	...	36·387	-55·542	-5	...	...	...	41·793	+51·919	-2	...	...
*	30·165	+55·150	1·30	46.9390	9·9	...	36·414	+34·636	-4	...	...	...	41·864	-39·927	-5	m	...
...	30·371	+32·091	-3	...	...	...	36·517	-39·573	-5	...	...	...	41·895	+53·884	-5	m	...
*	30·731	+31·959	1·10	46.9391	10·2	...	36·628	-18·293	-1	...	...	...	41·924	+47·527	-1	...	...
...	+30·943	-40·306	-4	...	...	...	+36·692	-45·815	-5	m	...	...	+41·928	+5·177	-5	...	...
...	31·073	-1·077	-2	...	...	...	36·693	+16·177	0·70	...	...	...	42·003	+0·502	-5	m	...
*	31·252	-34·185	1·00	47.8947	10·4	...	36·711	-9·364	-2	...	...	...	42·077	+32·506	-3	...	...
*	31·270	-15·462	1·60	47.8946	9·6	...	36·988	+58·825	-2	...	...	...	42·091	+52·717	-5	m	...
...	31·318	+7·593	-5	m	...	...	37·265	+11·788	-2	...	...	...	42·184	-18·133	-5	...	...

Notes.	Co-ordinates.		Diam. o.70	C.P.D.		Notes.	Co-ordinates.		Diam. o.70	C.P.D.		Notes.	Co-ordinates.		Diam. o.70	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1141-1200																	
I 141	+42°301	-52°827	1°05	47.8953	10.4	I 201	+48°305	-32°771	-5	...	...	...	+52°962	+28°137	-2	...	...
...	42°441	+0°222	-5	m	...	...	48°315	+12°707	-5	e	...	...	52°997	-28°281	-4	...	...
...	42°527	+33°364	-2	...	...	...	48°575	+58°582	-4	...	...	...	53°102	+17°915	-2	...	...
†	42°663	-49°818	-5	...	...	...	48°864	+45°505	-3	...	...	*	53°158	-25°732	0.85	...	...
...	42°943	+24°461	-5	m	...	...	48°921	-28°553	-5	...	...	...	53°211	+48°438	-3	...	...
*	+42°987	+46°865	1°30	46.9398	9.6	...	+49°074	-34°105	-3	...	...	...	+53°267	-24°537	-2	...	...
...	43°097	+51°590	-4	m	...	...	49°109	+43°364	-4	...	...	...	53°320	+7°274	-4	e	...
...	43°124	-46°257	-2	...	...	...	49°183	-17°722	-5	...	...	*	53°323	-18°954	0.90	47.8963	10.4
...	43°159	+10°846	0.75	...	...	...	49°321	+19°799	-4	...	...	*	53°377	+20°956	1.00	46.9401	9.8
...	43°300	+26°938	-2	...	...	...	49°439	-10°320	-4	...	...	...	53°497	-25°432	-1	...	...
I 151	+43°712	+48°839	-5	m	...	I 211	+49°551	-33°465	1°10	47.8959	10.0	*	+53°510	-45°562	1°00	47.8964	10.2
*	43°728	-58°697	1°25	47.8954	10.0	...	49°682	-18°285	-4	...	...	...	53°518	-34°906	-3	m	...
...	43°893	-52°691	-5	...	...	...	49°684	+35°514	-2	...	...	...	53°546	-7°550	-3	...	...
...	43°993	+34°568	-5	m	...	†	49°739	-21°288	0.90	47.8960	10.4	...	53°639	-50°422	-5	...	...
...	44°200	+16°421	-3	...	...	...	49°871	+21°009	-3	...	...	...	53°937	+4°919	-4	...	...
...	+44°397	-12°705	0.70	...	...	...	+49°934	+21°813	-3	...	...	...	+53°960	-20°907	-3	...	...
...	44°406	+2°582	-5	m	...	*	50°000	-9°766	0.80	...	...	...	54°222	+20°718	-5	...	...
...	44°411	-49°517	0.95	...	...	...	50°021	-53°461	-1	...	...	...	54°364	-30°744	-4	...	...
*	44°550	-35°168	0.95	...	...	...	50°027	-17°984	-4	...	...	...	54°447	+13°451	-4	...	...
†	44°713	-15°349	0.80	...	...	...	50°151	-0°555	-5	m	...	...	54°570	-20°500	-2	...	...
I 161	+44°915	-46°702	-5	...	...	I 221	+50°185	+27°779	-3	...	...	...	+54°626	-19°944	-4	...	...
...	44°926	-26°711	-4	...	...	...	50°195	-50°506	0.95	...	...	...	54°647	-44°671	-4	...	...
...	45°161	-52°784	-2	...	...	...	50°197	+39°197	-3	...	...	...	54°734	+32°077	-5	m	...
...	45°361	+34°733	0.90	...	...	...	50°197	-54°277	1°00	47.8962	10.4	...	54°822	-3°246	-2	...	...
...	+45°431	+55°712	-5	m	...	S+	50°317	-9°746	3°45	47.8961	7.2	...	54°962	+22°409	-5	e	...
...	+45°450	+40°634	0.80	...	...	...	+50°381	+6°239	-1	...	...	...	+55°104	+14°859	-3	...	...
...	45°584	+22°686	-5	e	...	...	50°402	+12°661	-5	m	...	*	55°186	+25°691	1.00	...	...
...	45°857	-34°631	-1	...	...	...	50°459	-3°730	-3	...	...	...	55°208	+45°702	-3	...	...
*	45°865	+1°538	1°15	46.9399	9.8	...	50°516	+46°848	-5	e	...	...	55°254	-0°954	-3	...	...
*	45°934	-11°155	1°00	47.8955	10.4	...	50°525	+26°795	-5	e	...	...	55°320	-15°801	-4	...	...
I 171	+46°202	+11°621	0.80	...	...	I 231	+50°674	+18°522	-3	...	...	...	+55°685	+13°273	-4	...	...
...	46°309	-6°873	-3	...	...	...	50°769	+15°828	0.80	...	...	...	55°953	+14°693	-3	...	...
...	46°311	+33°092	-1	...	...	...	50°799	+34°818	-5	m	...	...	55°981	-39°012	-3	...	...
...	46°362	+55°932	-1	...	...	...	50°816	-5°313	-5	e	...	...	56°052	+21°699	-4	e	...
...	46°362	-27°056	0.70	...	...	...	50°917	-8°699	-5	m	...	...	56°227	-17°224	-4	...	...
...	+46°459	-21°987	0.80	...	...	...	+51°021	+43°299	-2	...	...	*	+56°355	-16°144	0.90	47.8965	10.4
...	46°528	+50°367	-5	m	...	...	51°040	+49°326	-1	...	...	...	56°376	-0°569	-5	e	...
...	46°611	-3°146	-2	...	...	...	51°064	-7°150	-4	...	...	...	56°394	+13°444	-5	e	...
...	46°698	-1°886	-4	...	...	...	51°080	-21°758	-5	...	...	...	56°467	+10°718	-3	...	...
...	46°718	+36°873	-5	m	...	...	51°273	+24°730	-2	...	...	S*	56°637	+22°861	2.00	46.9402	8.8
I 181	*+46°877	-26°048	1°00	47.8956	9.9	I 241	+51°283	-26°818	0.95	...	...	...	+56°743	+54°724	-2	...	...
...	47°070	+32°822	-3	...	...	...	51°367	-42°084	-2	...	...	...	56°786	+36°633	-4	e	...
...	47°177	-30°403	0.90	...	...	...	51°376	-18°533	-2	...	...	...	56°922	+34°034	-1	...	...
*	47°201	-12°017	1°00	47.8957	10.2	...	51°391	-23°214	-5	...	...	...	57°187	-39°599	-5	...	...
...	47°404	+49°493	-5	...	...	...	51°547	+7°802	-2	...	...	...	57°275	+30°593	-5	e	...
...	+47°421	-12°278	-5	...	...	...	+51°647	-32°010	-5	...	...	...	+57°280	-9°519	-3	...	...
...	47°441	-10°134	-4	...	...	...	51°764	+58°997	-3	...	...	*	57°382	-3°945	1.60	47.8966	9.4
...	47°454	+26°846	0.90	...	...	...	51°846	-20°064	-3	...	...	*	57°390	-4°222	1.30	47.8967	9.6
...	47°543	-6°160	-5	e	...	...	51°917	+34°225	-2	...	...	...	57°460	-50°060	-4	...	...
...	47°592	-37°399	0.95	...	...	†	51°939	-4°844	-1	...	...	...	57°561	-3°077	-4	...	...
I 191	+47°663	+35°768	-5	e	...	I 251	+51°948	-30°124	-3	...	...	...	+57°577	-1°778	-5	e	...
...	47°697	+43°914	-4	e	...	...	51°987	-30°392	-5	...	...	...	57°609	+59°300	-4	...	...
...	47°793	-15°572	-2	...	...	*	52°122	+10°513	1°00	46.9400	10.0	...	57°670	-48°923	-4	...	...
...	47°837	+25°752	-4	m	...	...	52°443	+40°403	-2	...	...	S*	57°896	-44°929	1.23	47.8968	9.9
...	47°903	+21°186	-2	...	...	...	52°500	+21°595	-3	m	...	...	58°084	-38°560	-2	...	...
...	+47°981	+22°042	-5	...	...	...	+52°573	+34°236	-4	...	...	...	+58°328	-8°836	-3	...	...
*	48°041	-33°585	1°20	47.8958	9.8	...	52°661	-36°649	-3	...	...	...	58°801	+20°534	-5	...	...
...	48°178	-22°287	0.85	...	...	...	52°750	-45°869	-5	...	...	*	59°017	+20°618	1.70	46.9403	9.4
...	48°210	+59°547	-2	...	...	...	52°814	-41°074	-5	...	...	...	59°064	+15°449	-1	...	...
...	48°221	+0°959	-5	e	...	...	52°878	+23°984	-5	e	...	...	59°100	+20°453	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·70	No.	Mag.		x.	y.	...	No.	Mag.		x.	y.	...	No.	Mag.
1321-1327																	
I 321	+59°21'5	+10°718	-5	o	...	...									
...	59°52'6	+20°692	-2	...	...	...								
...	59°52'7	+38°208	-4	...	...	...								
...	59°61'8	-2°528	-4	m	...	...									
*	59°64'5	-25°836	1°40	47.8969	9·6												
...	+59°66'9	+48°466	-3	...	...	...								
...	59°75'5	-17°074	-5	...	...	...								

1-40						41-80						81-120						
I	-59°908	-39°155	-1	o	...	...	41	-54°907	+45°388	-4	o	...	81	-51°674	-9°776	3°60	47.8961	7·2
†	59°893	+26°670	-2	...	...	...	*	54°740	-12°146	1°05	47.8957	10°2	S †	51°502	+34°224	-1	...	...
...	59°651	-33°121	-5	...	...	...	*	54°619	-26°173	1°05	47.8956	9·9	...	51°426	-38°395	-5	M	...
...	59°521	+10°578	0°70	...	...	...	...	54°614	+43°274	-2	...	...	...	51°344	-5°318	-5	E	...
...	58°652	+16°188	-3	...	...	...	...	54°592	-6°286	-5	E	...	...	51°170	+40°418	-2	...	...
*	-58°323	-53°092	1°20	47.8953	10·4	...	...	54°575	-10°258	-5	...	...	...	-51°036	-7°154	-4	...	...
...	58°171	+40°424	-1	...	...	...	...	54°441	+12°600	-5	E	...	...	51°029	+7°801	0°70	...	...
...	58°078	+34°534	-1	...	...	...	...	54°170	-30°520	0°90	...	...	...	50°840	+34°269	-4	...	...
...	57°743	+55°756	-4	...	...	...	...	54°159	+0°854	-5	E	...	...	50°660	+48°462	-2	...	...
...	57°732	-46°492	-4	...	...	...	...	54°041	-15°675	-4	...	...	...	50°590	-53°491	1°00	...	...
II						51							91					
...	-57°519	-12°927	-2	...	...	...	-53°777	+35°445	-2	...	...	...	*	-50°535	+10°530	1°15	46.9400	10·0
...	57°475	+22°492	-5	E	...	...	53°651	+19°727	-4	...	...	...	*	50°510	-50°514	1°05	...	...
...	57°464	-7°169	-5	...	...	...	53°540	-37°504	1°00	...	...	...	*	50°394	-54°292	1°15	47.8962	10·4
...	57°111	-15°552	0°80	...	...	...	53°441	-22°376	0°90	...	...	...	...	50°350	-18°526	-1	...	...
...	57°076	+32°914	-3	...	...	...	53°372	+39°147	-2	...	...	...	...	50°264	+28°176	-2	...	...
*	-56°704	-58°921	1°25	47.8954	10·0	...	-53°295	+46°795	-5	E	...	...	†	-50°243	-4°826	-1	...	...
...	56°643	-35°391	1°00	...	...	*	53°204	-33°678	1°20	47.8958	9·8	...	...	50°201	+24°019	-5	E	...
...	56°548	-26°904	-5	...	...	...	53°140	+20°949	-3	...	...	...	...	50°194	-23°201	-5	...	...
...	56°516	+49°337	-5	...	...	...	53°096	+21°765	-4	...	...	...	*	50°188	-26°811	1°00	...	...
*	56°500	+1°358	1°25	46.9399	9·8	...	53°066	+22°215	-5	M	...	...	...	49°853	-20°041	-3	...	...
2I				61								101						
...	-56°489	+11°453	0°70	...	...	...	-53°036	+27°727	-2	...	...	...	...	-49°810	+17°961	-2	...	...
†	56°325	-49°710	-1	...	...	...	52°988	-32°854	-5	...	...	...	...	49°661	-31°988	-5	...	...
...	56°314	+32°675	-5	...	...	...	52°852	+49°292	-1	...	...	...	...	49°620	-42°074	-2	...	...
...	56°040	+43°783	-5	E	...	...	52°678	+43°267	-2	...	...	...	*	49°617	+21°005	0°95	46.9401	9·8
*	56°036	-11°326	1°00	47.8955	10·4	...	52°662	+26°752	-5	E	...	...	...	49°569	-45°939	-4	...	...
...	-56°007	+59°426	-3	...	...	...	52°590	-17°779	-5	...	...	...	...	-49°428	-30°085	-4	...	...
...	55°911	-46°882	-5	...	...	...	52°566	-10°377	-5	...	...	...	...	49°384	-30°362	-4	...	...
...	55°812	+35°628	-5	E	...	...	52°498	-28°607	-5	...	...	...	...	49°246	+7°333	-4	E	...
...	55°806	-7°032	-3	...	...	...	52°439	+58°971	-4	...	...	...	...	48°779	+20°793	-4	...	...
...	55°729	+26°719	0°70	...	...	...	52°247	+18°487	-2	...	...	...	...	48°709	-34°854	-3	...	...
3I				7I								III						
...	-55°644	+58°475	-5	...	...	...	-52°166	-34°167	-3	...	...	...	...	-48°609	+35°098	-5	M	...
...	55°621	-3°294	-3	...	...	...	52°141	+6°199	0°90	...	...	...	...	48°600	+37°567	-4	M	...
...	55°584	-28°092	-5	...	...	...	52°066	+15°799	0°90	...	...	...	...	48°574	+45°804	-3	...	...
...	55°561	-2°025	-3	...	...	...	52°061	-18°335	-4	...	...	...	...	48°556	+5°002	-3	...	...
...	55°462	-52°956	-5	...	...	...	52°015	-9°812	1°00	...	...	...	...	48°540	-7°477	-3	...	...
†	-55°368	-34°788	-2	...	...	*	-51°886	-21°328	1°00	47.8960	10·4	...	...	-48°504	-36°593	-2	...	...
...	55°161	-22°129	0°95	...	...	...	51°858	+24°721	0°65	...	...	...	...	48°432	-28°216	-4	...	...
...	55°098	-27°203	-2	...	...	...	51°756	-3°760	-2	...	...	...	*	48°402	-18°885	0°90	47.8963	10·4
...	55°092	+21°062	-2	...	...	...	51°726	-18°021	-2	...	...	...	...	48°349	-25°660	0°90	...	...
...	55°061	+21°924	-5	...	...	*	51°694	-33°500	1°15	47.8959	10·0	...	...	48°321	+13°541	-4	...	...

L measured from 1, 216, 409, 578, 753, 939.
MC , , 100, 313, 489, 663, 831, 1041.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.	
121-180																		
121	-48·285	-24·461	-2	o			181	-42·996	-44·706	1·05	47·8968	9·9	241	-37·529	+39·630	-4	o M	
...	48·212	-41·014	-5				...	42·846	+28·831	-2			...	37·475	+4·061	0·90		
...	48·111	-45·807	-5				...	42·802	+18·862	-2			...	37·239	-14·213	-5		
...	48·106	+22·502	-5	E			...	42·783	+55·467	-4	M		...	37·184	+27·324	-5	M	
...	48·022	-25·342	0·65				...	42·648	+28·715	-3			...	37·101	-2·884	-5		
*	-47·960	+25·801	0·90				...	42·645	-24·599	-5	M		...	37·012	-46·111	-4		
...	47·744	+26·239	-5	M			...	42·622	-36·114	-5	M		...	36·739	-25·455	1·10	47·8972	10·4
...	47·714	+14·974	-3				...	42·143	+0·808	-5	M		...	36·691	+27·885	-4		
...	47·699	-20·813	-3				...	42·029	-16·791	-3			...	36·679	-22·929	1·00	47·8973	10·4
...	47·412	-3·119	-1				...	41·967	+27·946	-5			...	36·242	-11·128	-5		
131	* -47·355	-45·464	1·20	47·8964	10·2		191	-41·911	+28·619	-1			251	-36·054	+44·363	0·90		
...	47·309	+54·878	-1				...	41·865	+26·063	-2			...	36·024	-10·321	-5		
...	47·106	-20·381	-2				...	41·851	-25·553	1·40	47·8969	9·6	...	35·864	-52·465	0·95		
...	47·079	-50·326	-4				...	41·843	+23·694	0·80			...	35·682	+41·122	-5	M	
†	47·069	-19·841	-4				...	41·732	-14·531	-3			...	35·568	-1·888	2·00	47·8975	9·3
...	47·054	+12·507	-3				...	41·455	+38·807	1·20	46·9404	9·6	...	35·328	-24·585	-5		
...	47·048	-0·822	-3				...	41·424	+1·240	-4	M		...	35·312	-41·063	1·25	47·8974	9·8
...	46·985	+21·836	-4	E			...	41·404	-10·338	0·90			...	35·271	+43·668	-5	M	
...	46·979	-30·638	-4				...	41·389	-32·289	0·65			...	35·034	-6·007	0·65		
...	46·853	+14·837	-2				...	41·358	+59·515	-4	M		...	35·032	-8·846	-4		
141	-46·722	+36·790	-3	E			201	-41·084	+40·927	1·00	46·9405	10·4	261	-34·934	+41·035	-5	M	
...	46·613	+59·465	-2				...	41·050	+45·208	-4	M		...	34·918	-34·063	1·00		
...	46·499	-15·667	-4				...	40·922	+20·903	-1			...	34·888	-9·457	-4		
...	46·496	+34·197	0·70				...	40·902	-55·584	-3			...	34·771	+27·651	1·35	46·9410	9·6
S*	46·411	+23·020	2·00	46·9402	8·8		...	40·714	+36·617	-3	M		...	34·735	+54·032	-2		
...	-46·374	+13·604	-4	E			...	40·696	-13·594	0·95	47·8971	10·2	...	34·600	-11·267	1·30	47·8977	9·6
...	46·261	-44·551	-4				...	40·672	-39·621	1·00	47·8970	10·2	...	34·595	-4·043	-4		
...	46·208	+10·879	-3				...	40·559	+15·970	-4	M		...	34·567	+53·989	-2		
...	46·029	+30·761	-5	E			...	40·542	+14·065	-3			...	34·472	-27·171	0·90		
...	45·945	-0·403	-5	E			...	40·469	+33·310	1·00	46·9406	9·9	...	34·395	-24·490	0·75		
151	-45·553	-17·066	-4				211	-40·354	+13·131	-5			271	-34·314	-49·917	-5		
*	45·454	-15·979	0·90	47·8965	10·4	+	...	40·286	-34·751	0·85			...	34·304	-43·610	1·10	47·8976	10·2
...	45·103	-38·843	-2				...	40·145	+59·635	0·95	46·9407	10·4	+	34·192	-54·727	-3		
...	44·828	-10·809	-5				...	40·066	-7·390	-2			...	33·717	-44·577	0·95		
*	44·821	-3·752	1·70	47·8966	9·4		...	40·032	+47·918	-4	M		...	33·692	+55·375	-2		
*	-44·800	-4·022	1·20	47·8967	9·6		...	39·773	+27·036	-5	M		...	33·642	-2·278	2·00	47·8978	9·3
...	44·753	-9·323	-3				...	39·646	-9·818	-4			...	33·382	-6·453	-2		
...	44·715	-1·569	-5	E			...	39·645	+33·335	-2			...	33·270	+31·271	-2		
...	44·704	+38·037	-5	M			...	39·575	-3·558	-2			...	33·236	-28·078	1·00	47·8979	10·4
...	44·689	-2·870	-4				...	39·574	-24·966	-5	M		...	33·220	+8·547	0·85		
161	-44·205	+48·710	-1				221	-39·554	-2·888	-2			281	-33·211	-37·611	-5	M	
...	44·188	+20·765	-4				...	39·080	-11·552	-5			...	33·143	+18·750	-3		
...	44·032	+38·450	-4				...	39·018	-3·340	-3			...	33·133	+47·155	-5	M	
*	43·961	+20·851	1·50	46·9403	9·4		...	38·830	-15·689	0·85			...	33·083	+47·693	1·00	46·9412	10·4
...	43·921	+48·919	-4	M			...	38·759	-34·481	-5			...	32·982	-39·060	-2		
...	-43·894	+20·684	-3				...	38·710	-37·266	0·85			...	32·843	+25·537	3·40	46·9411	7·8
...	43·881	-39·402	-5				...	38·698	+1·333	0·90			...	32·751	+59·114	1·00	46·9413	10·4
...	43·761	+15·686	-1				...	38·648	-8·916	0·65			...	32·745	-17·660	-5		
...	43·735	+50·792	-3				...	38·567	+17·748	-5			...	32·727	-27·656	1·15	47·8980	10·2
...	43·730	-8·617	-3				...	38·456	+3·693	0·95			...	32·681	-8·012	2·00	47·8981	9·4
171	-43·725	+54·811	-4	M		*	231	-38·153	+58·457	1·15	46·9408	10·2	291	-32·602	-41·082	-4		
...	43·669	+36·581	-5	M			...	38·152	-35·273	-2			...	32·094	+49·246	-5	M	
...	43·540	+39·980	-5	M			...	38·104	+17·464	-5	M		...	31·985	-51·645	1·00	47·8982	10·4
...	43·476	+20·942	0·65				...	38·084	+1·025	-5			...	31·960	-34·773	0·90		
...	43·465	+10·963	-5				...	38·084	-39·976	-2			...	31·664	+51·303	-5	M	
...	-43·406	+49·856	-3				...	38·024	-41·369	-5			...	31·398	-48·539	-2		
...	43·269	-49·850	-4				...	37·779	-33·653	-2			...	31·386	+17·332	-5	M	
†	43·121	+25·043	-3				...	37·727	+29·103	-3			...	31·248	+52·983	-5	M	
...	43·100	-48·695	-4				...	37·584	-14·013	-5			...	31·186	+37·629	0·90		
...	43·020	-38·325	-1			*	...	37·560	+35·689	1·00	46·9409	10·4	*	31·144	-43·456	1·05	47·8983	10·2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.
301-360																	
301	-31.107	-53.475	-2	o	...	361	-24.757	-28.362	-3	o	...	421	-18.293	+21.820	0.90	o	...
*	31.100	+5.926	1.00	...	...	*	24.716	+21.780	0.90	46.9420	10.4	...	18.200	-36.811	-5	...	...
...	31.097	-5.139	-5	M	...	...	24.539	-10.685	-5	...	...	...	17.915	-7.066	5.00	47.8995	7.1
...	30.982	+29.243	-5	M	...	...	24.357	+58.576	-5	M	...	...	17.744	+43.879	-2	...	...
...	30.850	-12.986	-5	...	...	...	24.354	+17.689	-1	...	...	...	17.686	-4.638	-4	...	...
...	-30.603	+33.396	-5	M	...	*	24.317	-39.226	0.90	47.8988	10.4	...	-17.685	-34.423	-5	...	...
...	30.476	+11.105	-5	...	...	...	24.007	+44.611	-5	M	...	...	17.456	+30.598	0.85	...	...
...	30.381	-39.931	-5	...	...	...	23.960	-6.495	-1	...	...	...	17.350	-10.544	-5	...	...
...	30.351	+27.121	-5	M	...	...	23.839	-50.143	0.65	...	...	...	17.236	-24.626	-1	...	...
...	30.279	+52.204	-1	...	...	...	23.654	-31.584	-5	...	...	*	16.853	-57.967	1.15	47.8996	10.2
311	-30.241	+26.669	-5	M	...	371	-23.538	-52.678	-5	...	...	431	-16.785	+52.335	-3	...	...
*	30.091	+26.792	0.95	...	...	S*	23.532	+20.430	1.50	46.9421	9.3	...	16.590	-43.126	-4	...	...
+	29.971	+7.686	-4	...	...	...	23.340	+36.865	-2	...	...	...	16.457	-38.337	-5	...	...
...	29.950	-55.891	-1	...	...	...	23.111	+15.918	-4	...	...	*	16.233	+12.675	1.00	46.9422	10.4
...	29.909	-45.699	-5	M	...	...	23.083	-9.962	-5	...	...	...	16.073	-42.486	0.95	...	...
...	-29.817	+49.900	-2	...	...	...	23.065	-23.255	-5	...	...	...	-16.064	+48.807	-3	...	...
...	29.744	+5.380	-5	M	...	...	23.032	-38.472	-3	...	...	...	15.952	+47.432	0.90	...	...
*	29.702	-49.397	-4	...	...	...	23.005	+36.317	-3	...	...	...	15.925	-29.571	-5	M	...
...	29.640	-34.058	0.90	47.8984	10.4	...	22.935	-8.780	0.80	47.8989	10.4	...	15.711	+10.809	-5	...	...
...	29.622	+42.070	-5	M	...	...	22.872	-26.069	-4	...	...	...	15.519	+47.394	-4	...	...
321	-29.563	-11.674	-2	...	...	381	-22.771	+40.133	-4	...	...	441	-15.479	+52.971	-2	...	...
...	29.547	-33.893	-5	...	...	...	22.578	-48.698	-3	...	...	...	15.379	+9.621	-1	...	...
...	29.545	+35.593	-4	M	...	...	22.534	-17.282	0.80	...	...	...	15.119	+47.116	-5	M	...
...	29.497	+4.507	-4	...	...	*	22.527	+7.096	0.80	...	...	...	14.990	-40.649	-5	...	...
...	29.448	+12.253	-4	...	...	...	22.522	+38.374	-2	...	...	...	14.962	-28.361	-5	...	...
*	-29.262	+21.528	1.00	46.9414	10.2	...	22.508	-3.390	-1	...	...	...	-14.617	-45.285	-5	...	...
...	28.918	+54.513	-3	...	...	...	22.484	+12.347	-1	...	...	...	14.423	+48.238	-1	...	...
...	28.810	+26.893	-4	...	...	...	22.380	-22.335	-2	...	...	...	14.336	-21.167	-4	...	...
...	28.428	-9.215	-5	M	...	†	22.380	-39.712	-5	...	...	...	14.317	+0.579	-4	...	...
*	28.368	-9.083	2.90	47.8985	8.3	...	22.141	-40.757	-4	...	...	...	14.112	+45.895	-2	...	...
331	-28.359	-0.315	-2	α	...	391	-21.956	+34.392	-3	...	...	451	-13.981	-54.325	-5	...	...
...	28.340	+18.752	-4	...	...	...	21.666	+43.549	-4	...	...	...	13.949	-22.111	-5	...	...
...	28.096	+59.212	-4	M	...	...	21.505	-42.561	-3	...	...	...	13.889	+24.615	-3	...	...
...	28.093	-6.073	-3	...	...	...	21.454	-12.525	-4	...	...	...	13.744	+16.584	0.70	...	...
...	28.073	+45.199	0.65	...	...	*	21.448	-41.937	1.40	47.8990	9.8	...	13.621	+24.862	-4	...	...
...	-27.983	+13.540	-4	...	...	...	21.435	+45.129	-1	...	...	...	13.574	-46.577	-2	...	...
...	27.646	+16.020	-2	...	...	...	21.320	-50.317	-3	...	...	...	13.570	+19.253	0.70	...	...
...	27.499	+25.376	-1	...	...	...	21.213	+41.987	-5	M	...	...	13.510	-40.049	0.75	...	...
*	27.343	-14.205	-5	...	...	...	21.111	+37.195	-3	...	...	...	13.446	+10.797	-5	...	...
*	27.296	-14.952	1.00	47.8986	10.2	...	21.046	+39.010	-5	M	...	...	13.236	-44.387	0.75	...	...
341	-26.837	+51.573	1.60	46.9415	9.9	401	-21.042	+32.134	-1	...	...	461	-13.086	+55.820	-4	...	...
...	26.759	-39.676	-4	...	...	...	20.739	-39.857	-1	...	...	*	13.043	-30.039	0.95	...	...
...	26.582	-46.802	-4	...	...	...	20.737	+56.627	-5	M	...	*	12.722	-13.934	1.00	...	...
...	26.472	+54.850	-5	M	...	*	20.452	-32.222	1.10	47.8991	9.9	*	12.623	+28.118	1.00	46.9423	10.4
*	26.405	-15.339	1.00	47.8987	10.2	...	20.337	-16.614	-5	...	...	S*	12.243	-21.276	1.80	47.8997	9.4
...	-26.234	+45.137	0.75	...	...	...	20.244	-57.988	-3	...	...	...	12.210	+54.279	-5	M	...
...	26.035	-14.602	-5	...	...	...	20.236	-44.040	-5	...	...	...	12.181	-58.985	-3	...	...
...	25.910	-50.765	-4	...	...	...	20.223	-26.638	-4	...	...	...	12.119	+12.546	-5	...	...
*	25.868	+4.769	1.20	46.9416	10.2	*	19.980	-56.766	1.00	47.8992	10.4	...	12.070	-59.329	-4	...	...
*	25.770	+27.776	1.10	46.9418	10.0	†	19.935	+31.139	0.80	...	...	...	11.934	-48.478	-5	...	...
351	-25.691	+19.613	0.90	46.9419	10.4	411	-19.935	-41.189	-3	...	...	471	-11.886	+21.339	-4	...	...
...	25.691	-36.446	-5	...	...	†	19.933	+45.187	-4	M	...	...	11.885	-40.376	-4	...	...
...	25.647	-31.640	-4	...	...	...	19.933	-24.375	-3	...	...	...	11.843	-37.934	-1	...	...
*	25.580	+7.085	1.10	46.9417	10.2	...	19.516	-40.141	-5	...	...	...	11.204	-42.423	0.90	...	...
...	25.272	+42.170	-4	M	...	*	19.501	-6.078	1.05	47.8993	10.4	...	11.017	+23.212	-4	...	...
...	-25.159	+59.556	-4	...	...	...	19.086	+14.805	-2	...	...	...	-10.969	-26.746	-5	M	...
...	25.073	-27.054	-2	...	...	...	18.914	+51.868	-5	M	...	...	10.895	-47.633	-4	...	...
...	24.995	-23.176	-5	...	...	...	18.791	-9.041	-4	...	...	...	10.861	+25.094	0.65	...	...
...	24.790	-35.662	-2	...	...	*	18.786	-48.222	1.00	47.8994	10.4	...	10.803	-34.804	-4	...	...
...	24.772	+29.630	-5	M	...	...	18.465	-53.069	1.00	...	...	...	10.670	+41.620	1.15	46.9424	9.8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.	
481-540																		
481	-10·641	+27·533	0·65	o	...	541	-3·710	-47·018	-4	o	m	601	-1·930	-23·719	-3	o	...	
...	10·598	+59·506	-3	...	...	...	3·632	-6·314	-3	m	...	+	1·970	-45·821	1·00	47·9013	10·4
*	10·576	-50·635	1·00	47·8998	10·4	...	3·622	-18·050	-2	...	...	*	1·974	+36·009	-5	M m	...
...	10·553	-10·313	-5	...	...	...	3·507	-32·016	-2	...	...	...	2·174	-43·635	-5	m	...
...	10·484	-45·276	-5	...	...	...	3·452	+37·426	1·00	46·9430	10·2	...	2·485	-2·060	-2	...	...
...	-10·375	-51·472	-5	...	...	...	3·365	+52·507	-5	m	...	+	2·567	-55·935	-1	m	...
...	10·345	-58·045	-5	...	...	...	3·132	-27·153	-4	m	...	*	2·691	+29·679	1·00	46·9435	10·4
...	10·336	+55·062	-2	...	...	...	2·780	+46·780	-5	M m	...	...	2·781	-57·136	-5	m	...
...	10·019	-40·301	-5	...	...	...	2·728	-46·069	-2	...	...	...	2·896	+13·296	-5	...	...
†	9·993	+7·841	1·30	46·9425	9·8	...	2·579	+59·154	-4	m	...	...	3·015	-4·325	-5	m	...
541-600																		
491	-9·964	+1·857	-1	551	-2·478	+31·862	-3	+	3·068	-28·784	-1
...	9·862	-56·983	0·90	47·8999	10·4	...	2·303	-47·786	-1	...	...	*	3·218	+47·706	0·95	...	...
*	9·840	+52·028	0·90	...	...	...	2·078	-52·635	-3	...	...	...	3·270	-51·887	-5	m	...
...	9·807	-8·488	-3	...	...	...	1·906	-46·926	-5	A m	...	*	3·495	+23·667	1·10	46·9436	10·2
...	9·747	+47·832	-2	...	...	...	1·796	+54·334	1·00	46·9431	10·2	...	3·599	+16·794	-4	...	...
...	9·684	+48·931	-4	...	...	...	1·762	-27·399	-4	...	...	*	3·922	-32·375	1·00	47·9015	10·4
...	9·663	+21·782	-4	...	...	...	1·695	+43·311	-2	...	...	*	3·948	-40·775	1·00	47·9014	10·4
...	9·645	+36·157	-5	...	...	...	1·683	-3·857	-4	m	...	...	4·291	-52·012	-1	...	...
...	9·354	+33·890	-4	...	...	S*	1·647	-51·201	4·00	47·9008	7·2	*	4·340	-27·706	1·40	47·9016	9·4
...	9·287	+35·978	-5	M	...	...	1·629	-8·116	-1	...	...	...	4·390	-17·858	-1	...	...
601-660																		
501	* -9·268	-9·963	1·00	47·9000	9·9	561	-1·555	-3·328	-4	m	+	4·594	+43·269	0·90
...	9·266	+38·702	-4	...	...	...	1·458	+9·739	-3	m	...	...	4·680	+38·024	-2	...	...
...	8·911	+31·421	-3	...	...	...	1·444	-36·536	-3	...	...	...	5·005	-58·620	-3	m	...
...	8·893	-34·436	-4	m	...	...	1·412	-46·481	-5	m	...	...	5·200	+50·779	-5	M m	...
...	8·608	-2·624	-5	m	...	*	1·359	+10·224	1·00	46·9432	10·2	*	5·260	+45·305	1·15	46·9437	9·6	
...	-8·598	-40·288	-3	...	...	...	1·318	-50·126	-1	...	...	...	5·377	-16·046	-2	...	...
*	8·404	-28·615	0·90	47·9001	10·4	...	1·198	+33·228	-3	...	...	...	5·389	+15·908	0·95	...	...
*	8·356	+22·067	1·20	46·9426	9·9	...	1·187	+40·386	-5	M m	...	...	5·433	-51·675	-5	m	...
*	8·243	-40·072	0·90	47·9002	10·4	...	0·780	+27·473	-5	M m	...	...	5·451	-35·630	-5	m	...
*	8·199	-9·340	2·90	47·9003	8·4	...	0·713	+2·826	-5	M m	...	...	5·582	+43·558	-2	...	...
511-571																		
511	-7·841	+18·728	-3	571	-0·671	-56·029	-4	m	+	5·967	+29·955	-4
...	7·825	-25·502	0·65	...	...	...	0·664	-37·524	-4	...	...	...	6·135	-42·346	-5	m	...
...	7·822	-31·449	-5	m	...	...	0·605	+50·223	-4	...	...	...	6·175	+25·649	-5	M m	...
...	7·665	+21·527	-3	...	...	...	0·552	+8·750	-5	m	...	...	6·433	-43·875	-5	m	...
...	7·656	-2·342	-4	m	...	*	0·539	+51·269	1·00	46·9433	10·2	...	6·577	+50·724	-2	...	...
...	-7·480	+57·541	-5	M m	...	...	0·479	+28·622	-1	...	...	...	6·751	+5·664	-5	m	...
†	7·414	+5·120	0·90	46·9427	10·4	...	0·474	-24·003	0·90	47·9009	10·2	...	6·767	+28·208	0·70	...	...
...	7·180	-40·939	-4	m	...	*	0·029	+38·527	-5	...	...	*	6·787	-24·451	1·00	47·9017	10·4
...	7·125	+15·797	-5	m	...	*	-0·029	-10·681	-4	...	...	...	6·792	-5·585	-5	m	...
...	6·670	-30·631	-5	a	...	...	+0·070	+5·501	-4	...	...	...	6·935	+42·365	-2	...	...
521-581																		
521	-6·574	-30·646	-3	...	...	581	+0·094	-45·717	1·25	47·9010	8·0	...	7·087	+13·219	-4	...	...
...	6·532	-54·644	-4	m	...	...	0·192	+2·408	-5	...	...	...	7·163	-48·691	-4	m	...
...	6·452	+28·260	-2	...	...	...	0·241	-45·944	2·50	47·9010	8·0	...	7·279	-31·351	-2	...	...
...	6·246	-10·053	-5	M m	...	*	0·259	-31·849	-1	...	...	...	7·338	-19·662	-5	m	...
...	6·237	-14·432	-3	...	...	*	0·301	-59·368	1·15	48·9921	10·0	*	7·360	-49·637	1·00	47·9018	10·2
*	5·560	-30·521	0·90	47·9004	10·4	...	+0·415	-46·602	0·70	a	...	...	7·450	-7·950	-5	m	...
*	5·492	-11·886	1·00	47·9005	10·0	...	0·503	+18·119	-5	...	...	*	7·852	+50·860	0·95	...	...
*	5·261	-25·648	1·00	47·9006	9·9	...	0·625	-46·018	-3	...	...	...	7·996	-59·680	-5	m	...
*	5·189	+26·071	1·60	46·9428	9·4	...	0·659	-38·666	-5	m	...	...	8·237	-37·404	-5	m	...
†	5·073	-36·192	-3	...	...	*	0·730	-13·420	1·05	47·9011	10·4	...	8·621	+17·537	-4	...	...
531-591																		
531	-4·840	+45·553	-2	591	+0·898	+57·913	-1	+	8·923	-41·555	-2
*	4·828	-8·722	0·90	...	...	*	1·010	+5·984	1·20	46·9434	10·0	...	8·951	+25·935	0·85	...	...
*	4·772	+17·523	1·00	46·9429	10·4	...	1·044	-43·390	-5	m	...	...	8·962	-51·159	-5	m	...
...	4·508	-15·345	-4	m	...	...	1·345	-53·631	-2	m	...	*	8·979	-13·013	2·00	47·9019	9·0
...	4·505	+29·852	0·80	...	...	...	1·404	+37·635	-5	M m	...	...	8·992	-48·476	-2	...	...
...	-4·456	-21·641	-3	*	+1·437	+1·922	-1	+	9·031	-6·600	-5	m	...
...	4·096	-47·702	-4	m	...	...	1·491	-16·183	-5	m	...	...	9·252	+34·411	-5	...	...
...	3·943	+14·727	-3	...	...	...	1·632	+31·840	-5	M m	...	...	9·430	+46·653	-5	m	...
...	3·790	+48·571	-3	...	...	*	1·665	-0·027	1·00	47·9012	10·4	*	9·559	-49·305	1·00	...	...
*	3·744	-38·314	0·90	47·9007	10·4	...	1·711	-20·462	-2	...	...	...	9·621	+25·174	-2	...	...

581, 583. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.
661-720															721-780		
661	+ 9.650	+ 20.024	0.90	o.	...	...	+ 15.615	+ 13.755	- 2	o.	...	781	* + 23.879	- 7.285	1.00	o.	...
†	9.817	- 52.657	- 5	m	...	...	15.753	- 29.209	- 5	m	...	†	23.881	- 50.686	- 4	m	...
9.928	- 54.970	- 4	m	...	...	...	16.105	+ 19.156	- 1	...	...	S *	23.963	+ 16.837	1.80	46.9448	9.1
S +	10.004	- 5.800	2.60	47.9020	8.6	...	16.153	+ 23.213	- 5	...	...	*	24.044	+ 3.478	0.95	46.9449	10.4
...	10.140	- 45.771	- 3	m	...	...	16.276	- 10.790	- 2	...	...	*	24.046	+ 47.775	- 2	...	...
*	+ 10.230	- 15.557	2.90	47.9021	8.4	...	+ 16.345	- 41.918	- 2	...	...	*	+ 24.202	- 0.697	- 5	...	...
*	10.278	- 31.417	1.00	47.9022	10.4	...	16.596	+ 39.841	- 2	...	...	*	24.500	- 25.005	- 5	...	...
...	10.411	- 20.639	- 4	m	...	...	16.625	+ 56.591	0.80	46.9443	10.4	...	24.758	- 19.461	- 4	m	...
...	10.420	+ 15.294	- 1	...	...	...	16.836	- 54.467	- 4	m	...	...	24.766	+ 10.935	0.85	...	...
...	10.461	+ 4.189	- 3	...	...	...	16.962	+ 14.096	- 5	m	...	...	24.797	+ 10.330	- 4	...	...
671	+ 10.489	+ 38.383	0.65	...	...	731	+ 17.045	- 16.682	- 1	...	...	791	+ 25.127	- 31.776	- 2	b	...
...	10.492	- 46.521	- 2	...	...	...	17.055	- 14.356	- 2	...	...	...	25.185	+ 37.044	- 5	m	...
...	10.899	- 16.561	- 1	...	...	...	17.225	- 36.854	0.75	...	...	*	25.246	+ 23.504	2.00	46.9450	9.2
*	10.960	- 55.839	0.85	...	...	...	17.239	- 7.342	- 3	...	...	...	25.353	+ 7.384	1.00	...	...
...	11.124	+ 0.014	- 2	a	...	...	17.256	+ 53.047	- 4	...	...	...	25.394	- 34.951	- 4	...	...
...	+ 11.232	- 15.427	- 3	...	...	...	+ 17.292	+ 17.628	- 5	m	...	...	+ 25.423	- 45.014	0.85	...	...
...	11.311	- 41.211	- 5	m	...	...	17.359	- 45.951	- 2	...	...	...	25.434	+ 10.018	- 5	...	...
...	11.463	- 31.718	- 4	m	...	*	17.438	- 34.027	1.00	47.9025	10.2	...	25.537	+ 16.547	- 3	...	...
...	11.474	- 37.191	- 3	...	...	...	17.476	- 16.800	- 5	m	...	...	25.718	+ 23.557	0.95	46.9451	10.4
...	11.582	- 13.916	- 4	m	...	...	17.791	+ 5.637	- 4	...	...	...	25.784	+ 19.827	- 2	...	...
681	+ 11.685	+ 54.007	- 5	m	...	741	+ 17.827	+ 31.393	- 4	m	...	801	+ 25.973	+ 31.411	- 5	m	...
...	11.733	- 35.609	- 4	m	...	...	18.233	- 9.604	- 1	...	...	...	26.016	+ 16.143	- 5	m	...
...	11.785	- 21.171	- 3	...	...	...	18.478	+ 38.710	- 2	...	...	...	26.194	- 54.549	- 5	m	...
...	11.937	- 15.764	- 5	m	...	...	18.582	+ 14.167	- 4	...	...	...	26.294	- 52.744	0.95	...	...
...	11.966	- 56.136	- 1	...	...	...	18.667	+ 44.778	- 2	...	...	...	26.329	- 7.899	- 3	...	...
*	+ 12.000	- 10.930	1.50	47.9023	9.6	...	+ 18.966	+ 23.634	- 3	...	...	...	+ 26.776	- 17.996	- 5	m	...
...	12.038	- 41.963	- 2	...	...	...	19.022	- 11.262	- 2	...	...	...	27.095	+ 2.967	1.00	...	...
...	12.106	+ 55.439	- 5	m	...	...	19.188	+ 7.856	- 4	m	...	...	27.096	+ 44.097	- 5	m	...
...	12.256	+ 17.575	- 2	...	...	*	19.390	+ 49.514	0.85	46.9444	10.4	...	27.122	+ 14.993	- 5	m	...
*	12.697	- 46.712	0.80	...	...	*	19.622	- 3.404	3.00	47.9026	8.3	...	27.291	+ 39.166	1.40	46.9452	9.4
691	+ 12.737	- 24.012	- 1	...	...	751	+ 19.713	- 21.032	- 4	m	...	811	+ 27.361	- 30.915	- 4	m	...
†	12.738	- 49.820	- 5	m	...	...	19.747	+ 11.841	- 4	...	...	...	27.411	+ 3.530	0.95	...	...
...	12.878	- 51.342	- 2	...	...	*	19.902	- 54.460	0.95	...	...	...	27.411	- 14.546	1.90	47.9029	9.6
...	13.108	- 21.486	- 4	...	...	*	20.059	+ 12.030	1.00	46.9445	10.4	...	27.738	+ 41.004	- 2	...	...
...	13.388	- 45.147	- 3	...	...	...	20.240	- 6.210	1.00	...	...	...	28.222	+ 39.202	0.95	...	...
...	+ 13.521	+ 22.868	- 2	...	...	...	+ 20.261	+ 52.904	- 2	...	...	...	+ 28.311	+ 47.071	- 5	m	...
*	13.596	- 44.953	- 3	m	...	*	20.430	+ 1.526	1.00	46.9446	10.4	*	28.411	+ 54.064	1.10	46.9453	10.0
*	13.621	+ 43.660	1.60	46.9439	9.2	...	20.479	- 47.827	- 5	m	...	...	28.657	- 26.392	- 4	m	...
...	13.636	- 55.952	- 3	m	...	...	20.481	+ 27.264	- 4	...	...	*	28.698	+ 33.890	1.00	...	...
...	13.726	+ 53.139	- 1	...	...	...	20.623	- 37.992	- 2	...	...	...	28.735	+ 49.475	0.95	...	...
701	+ 13.734	- 36.871	- 2	...	...	761	+ 20.842	- 26.572	- 5	m	...	821	+ 28.855	- 59.201	1.00	...	...
...	13.877	+ 12.842	- 4	...	...	...	21.061	- 32.756	- 5	m	...	...	29.094	- 35.350	0.80	...	...
†	13.938	+ 5.052	- 2	...	...	...	21.068	+ 37.516	- 5	m	...	...	29.215	- 8.906	- 1	...	...
...	13.948	- 59.355	- 5	m	...	...	21.171	- 23.774	- 5	m	...	...	29.258	- 7.249	1.25	47.9031	9.9
...	13.987	+ 44.365	- 4	...	...	...	21.237	- 49.367	- 3	m	...	...	29.272	- 19.510	1.00	...	...
...	+ 14.080	+ 45.997	0.75	46.9440	10.4	...	+ 21.370	+ 41.232	0.70	...	...	...	+ 29.306	- 12.199	1.00	47.9030	10.4
*	14.136	- 55.342	- 4	m	...	...	21.429	+ 4.115	0.95	...	...	...	29.379	- 33.027	- 4	m	...
*	14.207	+ 40.103	0.80	46.9441	10.4	...	21.579	+ 51.539	- 4	...	...	...	29.496	+ 6.413	- 5	m	...
...	14.346	+ 36.773	- 4	m	...	*	21.700	- 58.891	1.35	48.9929	9.2	...	29.524	+ 43.429	- 2	...	...
...	14.438	- 11.211	- 5	m	...	*	21.827	- 41.748	1.70	47.9027	9.1	...	29.762	+ 32.067	- 5	m	...
711	+ 14.465	+ 58.416	- 2	...	...	771	+ 21.855	- 45.482	- 5	m	...	831	+ 29.865	- 18.333	- 3	...	...
...	14.680	- 25.041	- 4	m	...	*	22.215	- 23.960	1.00	47.9028	10.4	...	30.083	- 58.830	0.90	...	...
...	14.718	- 51.497	- 5	m	...	...	22.412	- 42.949	- 5	m	...	...	30.109	- 18.923	1.00	47.9032	9.8
...	14.908	- 49.022	- 3	m	...	*	22.673	+ 12.107	1.00	46.9447	10.2	*	30.147	- 28.496	0.80	...	...
*	15.008	+ 18.962	1.00	46.9442	9.6	...	22.754	- 18.053	- 4	m	...	...	30.195	- 37.461	- 5	m	...
*	+ 15.076	+ 45.539	- 3	...	...	...	+ 22.799	+ 28.167	0.65	...	...	...	+ 30.204	+ 23.898	- 2	...	...
*	15.134	- 20.754	1.20	47.9024	10.4	...	22.916	+ 29.033	- 5	m	...	...	30.227	+ 22.960	0.90	46.9454	10.4
...	15.165	+ 25.224	- 5	m	...	...	22.977	- 54.357	- 4	m	...	*	30.340	+ 34.697	0.85	46.9455	10.4
...	15.309	- 43.252	- 5	m	...	...	23.151	+ 45.252	- 2	...	...	...	30.372	+ 22.777	- 5	m	...
...	15.331	+ 50.244	- 2	...	...	...	23.249	+ 30.419	0.85	...	...	...	30.460	+ 47.780	- 1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
841-900																	
841	+30°924	-41°894	1°50	47.9033	9·6	901	+35°773	-5°405	-3	°m	...	961	+41°916	-6°448	0°95	47.9041	10·4
...	30°991	+16°989	-5	m	...	S*	35°847	-9°283	2°80	47.9038	8·0	...	42°001	+15°858	-2	...	...
*	31°046	-32°723	1°60	47.9034	9·2	*	35°947	+43°750	0°90	46.9463	10·4	*	42°062	-38°538	1°00	47.9042	10·4
...	31°053	-42°957	-4	m	...	...	36°113	+4°457	-4	m	...	...	42°150	-32°270	-2	e	...
...	31°203	-45°454	-4	m	...	...	36°152	-26°338	0°75	...	...	...	42°271	+2°170	-5	m	...
*	+31°272	+37°964	1°00	46.9457	10·0	...	+36°161	-58°979	-3	m	...	*	+42°415	+54°617	1°60	46.9466	9·4
*	31°292	+37°305	0°90	46.9456	10·4	...	36°173	+7°037	0°80	...	...	...	42°423	-24°466	0°90	...	...
...	31°378	+25°097	-5	m	...	...	36°223	+32°231	-2	...	...	...	42°424	+27°251	-2	...	...
...	31°418	-15°746	-4	m	...	...	36°505	+12°747	-5	m	...	...	42°491	+25°419	-2	...	...
...	31°642	+11°447	-4	m	...	S*	36°549	-46°470	1°80	47.9039	9·2	...	42°523	-12°414	-5	e	...
851	+31°666	-42°496	-5	m	...	911	+36°621	+22°289	-5	m	...	*	+42°985	+23°779	1°00	46.9467	10·4
...	31°772	+25°144	-4	m	...	...	36°762	-0°696	-5	m	...	...	42°992	-13°758	-5	e	...
...	31°839	-3°147	0°70	...	...	...	36°869	-46°267	-4	m	...	...	43°033	-9°854	-4	e	...
...	32°092	+22°249	-2	...	...	...	37°161	+11°870	-4	m	...	*	43°267	-10°881	1°10	47.9043	9·9
...	32°231	+0°876	0°65	...	...	...	37°780	+59°515	-3	...	...	...	43°286	-24°320	0°90	...	...
*	+32°263	-30°215	0°90	47.9035	10·4	...	+37°859	-42°368	0°65	...	...	...	+43°450	-51°680	-5	m	...
†	32°492	-9°837	-3	m	...	...	38°140	-5°037	-4	m	...	*	43°705	+58°429	2°00	46.9468	9·4
...	32°642	+44°147	-4	m	...	...	38°192	+1°153	-4	m	...	*	43°787	-34°085	1°00	...	...
...	32°772	+16°358	-2	...	...	...	38°289	-57°185	-5	m	...	...	43°805	-23°212	0°90	...	...
...	32°884	+47°027	-2	...	...	...	38°297	+33°267	-3	...	...	...	43°846	-51°718	-2	...	...
861	+32°976	-13°184	-2	...	...	921	+38°320	+59°361	-5	m	...	981	+43°967	+38°848	-5	m	...
...	33°071	+44°648	-2	...	...	*	38°355	+54°130	1°80	46.9464	9·0	...	43°988	-58°582	-5	m	...
...	33°151	+59°652	-5	m	...	...	38°500	-46°896	-5	m	...	...	44°070	-23°120	-4	e	...
...	33°353	+37°590	-5	m	...	...	38°525	-41°686	-5	m	...	...	44°505	-18°556	-2	e	...
...	33°405	-1°089	-5	m	...	...	38°561	-16°741	-5	m	...	...	44°553	-1°902	-5	e	...
...	+33°407	+15°953	-4	...	...	...	+38°716	-31°746	-3	m	...	...	+44°639	-17°033	-5	m	...
...	33°447	+51°700	-3	m	...	...	38°720	-29°001	0°80	...	...	...	44°741	+30°680	2°10	46.9469	8·6
...	33°464	+42°655	-5	m	...	...	38°825	+12°463	-4	m	...	...	44°893	-6°188	0°75	...	...
...	33°468	+53°361	-4	m	...	...	38°846	-16°111	-3	m	...	...	44°923	-22°589	-5	e	...
...	33°495	+10°916	-5	m	...	...	38°851	-1°197	-5	m	...	...	44°962	-8°559	0°80	...	...
871	*+33°664	+28°860	1°00	46.9458	10·2	931	+38°893	-43°634	-3	m	...	991	+45°082	+31°068	-5	e	...
...	33°703	-3°815	-5	m	...	...	38°943	+30°312	-3	...	...	*	45°123	+58°562	1°00	46.9470	10·2
*	33°724	+17°643	2°60	46.9459	8·6	...	39°017	+36°233	-5	m	...	...	45°130	+58°740	-3	...	...
...	33°756	+4°657	-1	...	...	...	39°083	-28°275	-2	...	...	...	45°201	+56°199	-4	...	...
...	33°811	-7°146	0°85	...	...	...	39°143	-34°013	-2	m	...	...	45°205	+48°316	-5	m	...
...	+33°817	+1°743	-2	...	...	...	+39°306	+47°885	-2	...	...	...	+45°268	-21°831	0°85	...	...
...	33°967	-2°250	-2	...	...	...	39°347	+53°210	-4	...	...	...	45°448	-4°818	0°85	...	...
...	34°135	+35°249	-3	...	...	...	39°505	-25°612	-5	m	...	...	45°593	-21°331	-5	e	...
...	34°217	+49°533	-4	m	...	*	39°963	+18°307	1°30	46.9465	9·6	...	45°822	+32°462	-4	e	...
*	34°401	-30°746	0°90	47.9036	10·4	...	40°282	-6°143	0°70	...	...	...	45°947	+14°037	-4	e	...
881	+34°435	+39°400	-3	...	...	941	+40°364	-2°494	-2	a	...	1001	+46°075	+14°177	-5	m	...
*	34°439	-1°583	0°80	...	...	...	40°386	+39°511	-5	m	...	...	46°081	-11°668	-5	e	...
*	34°515	+37°556	0°85	46.9460	10·4	...	40°481	+35°619	-4	m	...	...	46°114	-48°921	1°00	...	...
...	34°518	+33°908	-4	...	...	...	40°506	-21°659	0°70	a	...	...	46°121	-20°067	-5	e	...
...	34°518	-14°641	-5	m	...	...	40°581	+42°139	-5	m	...	...	46°288	-43°193	-5	m	...
...	+34°572	+19°944	-2	...	...	...	+40°588	+33°447	-5	m	...	...	+46°332	+10°769	-3	e	...
...	34°674	+34°709	-3	...	...	...	40°650	+11°267	-4	m	...	*	46°411	-5°227	1°00	47.9044	10·2
...	34°712	+41°400	-2	...	...	...	40°693	-23°380	-5	m	...	...	46°426	-23°579	-4	m	...
...	34°900	+1°123	-4	...	...	...	40°973	-57°457	-5	m	...	*	46°481	-45°098	1°00	...	...
...	34°922	+0°433	0°90	47.9037	10·4	...	41°016	-26°132	-4	m	...	*	46°657	+10°653	1°00	...	...
891	+35°013	-33°909	-2	m	...	951	+41°101	-18°607	-4	m	...	1011	+46°698	+53°374	1°00	46.9471	10·4
...	35°116	-41°521	-3	m	...	...	41°150	-4°865	-2	...	...	...	46°736	+24°658	-3	m	...
*	35°128	+43°803	0°90	46.9461	10·4	...	41°284	+16°845	-5	m	...	...	46°953	+49°758	-1	...	...
...	35°134	+27°922	-5	m	...	*	41°400	-15°692	1°00	47.9040	10·0	...	47°115	-28°695	-5	m	...
...	35°239	-7°351	-5	m	...	...	41°416	-17°046	-4	m	...	...	47°125	-13°186	-5	e	...
...	+35°327	+18°401	-5	m	...	...	+41°480	+56°601	-5	...	...	...	+47°244	-23°981	-5	e	...
...	35°362	+35°715	-1	...	...	...	41°695	+35°201	-5	m	...	...	47°267	+34°866	1°00	...	...
*	35°398	+51°244	1°00	46.9462	10·2	...	41°708	-13°773	-5	m	...	...	47°394	-39°745	-5	e	...
...	35°721	-12°897	-1	...	...	...	41°750	+39°083	-3	...	...	...	47°398	-13°624	-4	e	...
...	35°754	+20°820	-3	m	...	...	41°914	+1°186	-3	m	...	...	47°401	-2°557	-5	e	...

Notes.	Co-ordinates.		Diam. o·65	C.P.D.		Notes.	Co-ordinates.		Diam. o·65	C.P.D.		Notes.	Co-ordinates.		Diam. o·65	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1021–1060																	
I021	+48°026	+16°591	— 4	e	...	...	+52°070	+29°531	— 1	o	...	...	+55°948	+10°780	— 3	o	...
...	48°222	+37°847	— 4	e	...	...	52°139	+7°899	— 4	e	...	...	55°987	— 23°808	— 2	...	...
...	48°270	+35°158	1°00	...	...	...	52°172	— 16°999	— 5	m	...	...	56°059	+35°772	— 4	e	...
*	48°571	+ 1°678	1°35	46.9473	9°6	...	52°190	— 45°790	— 4	e	...	...	56°320	+49°953	— 1	...	...
...	48°631	— 44°234	— 1	...	...	*	52°199	— 25°973	0°90	...	...	...	56°349	+ 9°605	— 2	...	...
...	+48°637	— 31°722	— 5	e	...	...	+52°205	+33°625	— 5	e	...	...	+56°420	— 5°426	0°75	...	...
...	48°797	+20°506	0°80	...	...	...	52°279	+44°657	— 4	...	...	...	56°722	— 40°715	0°95	47.9050	10°4
...	48°799	+16°270	— 3	e	...	...	52°368	+29°526	— 3	...	...	...	56°844	— 48°836	— 3	e	...
...	48°921	+39°811	— 1	...	...	*	52°397	+ 6°718	0°95	46.9476	10°4	...	56°872	+ 1°720	— 2	...	...
S *	49°026	+54°307	2°25	46.9472	8°7	S *	52°410	— 29°490	1°55	47.9047	9°2	...	56°930	+43°004	0°80	46.9477	10°4
I031	+49°077	— 40°879	— 5	m	...	...	+52°477	— 2°713	— 3	e	...	...	+57°025	— 6°941	— 3	...	...
*	49°078	— 0°915	0°95	...	...	...	52°489	+ 2°321	— 4	e	...	...	57°068	— 2°157	— 4	e	...
...	49°152	— 33°877	1°00	...	...	...	52°610	— 15°776	— 5	e	...	...	* 57°178	+22°235	0°95	46.9478	10°4
...	49°355	— 20°685	— 4	e	...	*	52°674	— 54°032	2°00	47.9048	9°0	*	57°273	+30°699	1°20	46.9479	9°9
*	49°357	+ 5°516	1°00	46.9475	10°4	...	52°839	+ 2°728	— 4	e	...	...	57°367	+28°987	— 4	...	...
*	+49°509	+ 9°099	0°95	...	...	...	+52°907	— 13°060	— 3	e	...	...	+57°438	— 36°674	— 5	e	...
...	49°516	+51°350	1°10	46.9474	10°4	...	52°910	— 0°093	— 4	e	...	...	57°476	+ 8°706	— 4	e	...
...	49°579	— 1°392	— 5	m	...	...	52°967	— 2°345	— 4	e	...	*	57°682	+28°398	1°00	46.9480	10°4
...	49°610	— 42°366	— 2	e	...	...	53°022	+40°224	— 5	e	...	...	57°712	— 49°428	— 5	e	...
†	49°704	— 53°618	— 5	e	...	...	53°082	+42°664	— 2	...	...	...	57°795	— 50°942	— 3	e	...
I041	+49°947	+ 8°602	— 4	e	...	...	+53°119	+29°882	— 1	...	...	...	+57°948	— 28°775	— 3	e	...
*	50°136	— 3°127	0°90	47.9045	10°4	...	53°129	+12°076	— 2	...	...	...	57°970	— 13°061	— 5	m	...
...	50°194	+ 7°220	— 5	e	...	...	53°158	+59°015	— 5	...	...	...	58°170	— 36°711	— 2	...	...
...	50°306	— 7°518	— 4	e	...	...	53°280	— 25°561	0°65	...	...	...	58°275	— 51°142	— 3	...	...
...	50°311	— 53°166	— 1	...	...	...	53°293	+38°940	— 4	e	...	...	58°346	— 2°528	— 3	e	...
+	+50°319	— 34°903	— 4	e	...	...	+53°454	+48°298	— 4	e	...	...	+58°566	+ 0°356	— 5	e	...
...	50°448	— 20°855	— 5	e	...	*	53°841	— 21°006	1°20	47.9049	9°4	...	58°755	+29°388	— 4	...	...
...	50°554	+36°040	— 4	...	...	...	53°904	+15°827	— 1	...	...	...	58°876	— 32°637	— 3	e	...
...	50°614	— 11°472	— 5	e	...	...	53°985	+35°747	— 3	...	...	...	58°923	+50°967	— 4	...	...
...	50°849	— 1°923	— 4	e	...	...	54°121	— 38°458	— 4	e	...	*	58°923	+47°289	2°00	46.9481	8°8
I051	+50°867	+35°305	— 4	e	...	...	+54°205	— 9°117	— 1	...	...	...	+59°070	+23°908	— 3	...	...
...	51°048	— 38°934	— 3	e	...	...	54°216	+ 4°651	— 3	...	...	*	59°101	— 1°221	1°00	47.9051	10°4
...	51°360	+19°134	— 2	...	...	...	54°219	+51°788	— 1	...	...	*	59°367	— 22°672	1°00	47.9052	10°4
...	51°363	— 17°847	— 4	e	...	...	54°265	— 34°153	— 4	e	...	...	59°433	— 27°575	— 1	...	...
*	51°561	— 20°911	0°90	47.9046	10°2	...	54°362	+26°535	— 3	...	...	...	59°538	+55°388	— 2	...	...
+	+51°567	+52°437	— 4	...	...	†	+54°431	+59°854	— 5	...	...	...	+59°548	+52°742	— 1	...	...
...	51°663	+27°599	— 5	e	...	†	54°871	+25°873	— 3	...	...	...	59°598	+31°213	— 5	e	...
...	51°821	— 30°504	— 5	e	...	...	55°070	— 32°615	— 1	...	...	†	59°628	— 9°906	— 3	e	...
...	51°830	— 50°166	— 3	e	...	...	55°239	— 23°125	— 4	e	...	...	59°656	+44°795	— 5	m	...
...	51°870	— 35°284	— 2	e	...	*	55°920	— 16°015	0°95	...	...	...	...	...	...	...

1-10					11-20					21-30							
I	-59°41'5	-12°67'5	-5	° E	*	-58°57'0	+30°46'7	2°00	46°94'69	8·6	21	-57°24'0	-18°76'2	-3	° E	...	
...	59°14'5	-32°53'0	-3	E	...	58°27'7	-24°54'5	-1	...	...	...	57°09'3	-8°75'2	0·80	...	...
†	59°13'3	-24°71'5	-1	...	...	58°23'4	+30°86'5	-5	E	...	...	56°97'0	+49°59'7	-3	...	...
...	59°07'8	+58°51'4	-4	...	...	57°79'3	-23°42'9	1°00	...	...	...	56°85'3	-51°91'0	-2	...	...
...	59°07'7	+58°33'3	1°00	46.9470	10°2	57°73'3	-2°11'0	-5	E	...	...	56°84'5	+13°86'4	-4	E	...
*	-59°03'2	-38°78'8	1°00	47.9042	10°4	57°54'6	+32°27'0	-5	E	...	...	-56°72'6	-4°98'8	0·90	...	...
*	58°99'7	-10°09'6	-5	E	...	57°53'9	-23°32'6	-4	E	...	...	56°70'2	+14°00'0	-5	M	...
...	58°92'8	+55°98'8	-4	...	...	*	57°46'7	-34°29'5	1°00	...	...	56°69'5	-22°76'1	-5	E	...
...	58°90'1	-14°00'7	-5	E	...	*	57°33'4	+53°20'9	1°00	46.9471	10°4	...	56°38'4	+24°49'7	-4	M	...
*	58°71'6	-11°11'0	1°10	47.9043	9·9	...	57°25'1	-6°37'9	0°85	...	...	56°37'1	-22°00'7	-1	...	...

L measured from 1, 205, 422, 614, 799, 979.
MC " 91, 313, 522, 706, 883, 1056.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.
31-90																	
31	-56°349	+10°612	-2	°E	...	91	-50°111	-20°887	0°90	47.9046	10°2	151	-44°976	-12°854	-5	°M	...
*	56°177	+34°728	1°00	...	...	...	50°051	-38°909	-2	E	...	*	44°930	+47°516	1°90	46.9481	8·8
...	56°049	-21°489	-5	E	...	...	49°953	-21°465	-5	M	...	...	44°567	+55°618	-1	...	...
...	56°020	+10°514	0°95	...	...	...	49°937	+2°365	-4	E	...	...	44°533	+29°616	-3	...	...
...	55°878	-11°824	-5	E	...	...	49°849	-8°496	-5	M	...	...	44°481	+52°990	-1	...	...
*	-55°754	-5°371	1°00	47.9044	10°2	...	-49°822	+59°938	-4	...	...	...	-44°444	+46°839	-5	M	...
...	55°582	-20°203	-5	E	...	...	49°783	-2°665	-3	E	...	...	44°419	-35°831	-5	M	...
...	55°320	+37°730	-5	E	...	...	49°780	+51°861	-1	...	...	*	44°328	-40°504	0°90	47.9050	10·4
†	55°194	+35°045	1°00	...	...	...	49°608	+12°133	-2	...	...	...	44°276	+56°478	-4	...	...
S+	55°042	+54°216	2°10	46.9472	8·7	...	49°601	+2°782	-4	E	...	...	44°193	+7°123	-4	M	...
41	-54°857	-2°673	-4	E	...	101	-49°557	-30°463	-5	E	...	...	-44°046	+24°149	-3	...	...
...	54°849	+16°475	-4	E	...	...	49°505	+35°824	-3	...	...	*	43°943	-48°613	-3	E	...
...	54°790	-13°303	-5	E	...	...	49°443	-0°036	-4	E	...	...	43°930	-2°292	-3	E	...
...	54°702	+39°726	-2	...	...	...	49°345	-35°233	-3	E	...	...	43°799	+0°591	-5	E	...
...	54°658	-49°059	0°95	...	...	*	49°320	-25°923	0°90	...	...	...	43°741	-36°444	-4	E	...
...	-54°510	-13°736	-4	E	...	...	-49°307	-2°289	-4	E	...	...	-43°739	+31°468	-4	E	...
*	54°463	+51°278	1°10	46.9474	10°4	...	49°238	-15°721	-4	E	...	...	43°608	+34°068	1·60	46.9482	9·4
...	54°410	-45°212	1°00	...	...	...	49°194	+51°749	-5	M	...	...	43°492	-28°540	-2	E	...
...	54°329	-24°083	-5	E	...	...	49°027	-12°999	-3	E	...	...	43°274	+21°234	-5	M	...
...	54°192	+20°420	0°75	...	...	S*	48°991	-29°428	1°45	47.9047	9°2	*	43°216	-0°961	0°90	47.9051	10·4
51	-54°064	+16°191	-4	E	...	III	-48°946	+15°917	-1	...	...	...	-43°144	-50°651	-4	M	...
*	53°817	+1°595	1°40	46.9473	9·6	...	48°921	-50°101	-4	E	...	...	43°075	-49°168	-4	E	...
...	53°691	-39°843	-5	E	...	...	48°834	+26°627	-3	...	...	...	43°008	-36°463	-1	...	...
*	53°235	-0°986	1°00	...	...	...	48°703	-45°717	-4	E	...	...	42°987	+14°678	-4	M	...
*	53°156	+5°454	1°00	46.9475	10°4	...	48°305	+25°986	-2	...	...	...	42°920	-50°686	-3	E	...
*	-53°131	+9°039	1°05	...	...	...	-48°295	+4°748	-3	...	...	...	-42°725	+23°461	-3	...	...
...	52°926	+36°012	-4	...	...	...	48°250	-25°476	-1	...	...	...	42°566	+10°489	-2	...	...
...	52°890	+5°602	-5	M	...	...	48°152	-13°385	-5	M	...	...	42°450	-50°872	-2	...	...
...	52°695	-31°775	-4	E	...	*	47°932	-53°941	2°00	47.9048	9°0	...	42°443	-32°361	-2	E	...
...	52°653	+8°556	-5	E	...	...	47°849	-9°014	-1	...	...	...	42°412	-9°625	-2	E	...
61	-52°602	+35°285	-5	E	...	121	-47°837	-20°897	1°20	47.9049	9·4	*	-42°264	-22°396	0°90	47.9052	10·4
...	52°452	+52°424	-5	...	...	...	47°657	+38°561	-5	M	...	...	42°035	-27°289	-1	...	...
...	52°375	+7°190	-5	E	...	...	47°634	+50°099	-1	...	...	...	42°034	+11°141	-5	M	...
...	52°325	-20°724	-4	E	...	...	47°420	+35°914	-3	E	...	...	41°818	+1°600	-4	M	...
...	52°301	-44°280	-1	...	...	...	47°006	-38°332	-2	E	...	...	41°775	-1°784	-1	...	...
*	-52°106	-33°916	0°90	...	...	...	-46°997	-34°032	-4	E	...	...	-41°754	-6°240	-5	M	...
*	52°095	-3°161	1°00	47.9045	10°4	*	46°795	+43°164	0°90	46.9477	10°4	...	41°669	+29°000	-4	M	...
...	51°796	-7°540	-4	E	...	...	46°739	+10°933	-2	...	...	...	41°616	+13°618	-2	...	...
...	51°584	+19°129	0°70	...	...	...	46°715	+43°013	-4	M	...	...	41°492	+43°145	-4	M	...
...	51°556	+27°612	-5	E	...	...	46°368	-22°970	-4	E	...	...	41°458	-55°930	-4	M	...
71	-51°483	+44°667	-4	...	...	131	-46°328	-23°011	-5	M	...	...	-41°437	+57°670	-4	M	...
...	51°422	-1°932	-4	E	...	...	46°304	+9°770	-2	...	...	...	41°305	+29°991	-4	M	...
...	51°369	-42°391	-3	E	...	...	46°229	-32°463	-2	...	...	...	41°154	-50°468	-5	M	...
...	51°365	-11°484	-5	E	...	...	46°214	-17°681	-5	M	...	*	41°082	+0°698	1°00	47.9053	9·6
...	51°229	-20°865	-5	E	...	*	46°032	+30°880	1°00	46.9479	9·9	*	41°079	+48°267	0°95	46.9483	10·2
...	-51°216	+29°548	0°85	...	...	...	-45°968	+43°375	-5	M	...	...	-41°013	+50°547	-3	...	...
...	51°205	+33°629	-5	E	...	*	45°904	-15°849	0°90	...	...	...	40°989	-39°817	-3	M	...
...	51°071	+59°041	-5	...	...	...	45°898	+29°169	-3	...	...	...	40°973	+11°448	-4	...	...
...	50°929	-53°632	-5	E	...	*	45°868	+22°418	0°85	46.9478	10°4	S*	40°707	+25°912	2·45	46.9484	8·0
...	50°917	+29°549	-1	...	...	*	45°752	-5°253	0°75	...	...	...	40°669	+12°073	-3	...	...
81	-50°908	-34°901	-4	E	...	141	-45°679	+51°175	-4	...	...	...	-40°587	+34°744	-4	M	...
...	50°603	+42°698	-4	...	...	...	45°640	-30°519	-5	M	...	...	40°473	+59°230	-4	M	...
...	50°599	+40°269	-5	E	...	...	45°589	-23°636	-2	...	...	...	40°319	+49°407	-4	...	...
...	50°469	+7°924	-4	E	...	*	45°570	+28°587	0°90	46.9480	10°4	+	40°180	+12°560	0°85	46.9485	10·2
...	50°414	+48°353	-4	E	...	...	45°532	+1°900	-3	...	...	*	39°827	-11°543	1°05	47.9054	9·9
...	-50°403	-17°823	-4	E	...	...	-45°480	+23°248	-5	M	...	...	-39°794	-28°063	-5	M	...
...	50°336	-53°154	-1	...	...	...	45°215	-1°956	-4	E	...	...	39°689	+39°158	-5	M	...
...	50°284	+38°989	-5	E	...	*	45°153	+8°906	-5	E	...	*	39°651	-32°093	1°00	...	...
†	50°183	+29°925	0°65	...	*	...	45°096	-6°745	-3	...	...	*	39°386	-18°422	-4	M	...
†	50°152	+6°749	1°00	46.9476	10°4	†	45°027	+51°183	-4	...	...	*	39°270	+25°321	1°00	46.9486	10·2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
211-270																		
211	-39°229	+16°845	-4	° M	...	271	-33°526	-8°469	-1	°	...	331	-28°473	-38°470	-1	°	...	
...	39°002	-52°112	-5	M	...	...	* 33°294	+30°524	1°00	46.9491	10°2	...	28°348	+39°620	-2	...	...
...	38°928	+5°912	-5	M	...	...	33°271	+7°414	-5	M	...	...	28°171	-46°134	0°80	...	...
...	38°867	+5°948	-5	M	...	...	33°201	+6°902	-4	...	...	...	28°095	+51°223	-3	...	...
*	38°862	-8°846	1°00	47.9055	10°4	...	* 32°970	-50°570	1°30	47.9059	9°6	...	[28°003	-0°029	-2	...	...
...	-38°850	-58°777	-4	M	...	...	* 32°885	+22°772	1°40	46.9492	9°6	*	-27°986	+5°941	0°80	46.9496	10°4
*	38°757	+38°035	1°00	46.9487	10°4	...	32°850	+57°478	-5	M	...	*	27°944	+22°616	0°95	46.9497	10°2	
...	38°743	+42°877	0°90	...	...	...	32°703	+7°807	0°90	...	...	...	27°939	+40°432	-3	...	...
...	38°567	-52°755	-4	M	...	...	32°698	-6°609	-5	M	...	...	27°698	+41°750	-3	M	...
...	38°491	-22°773	-2	B	...	...	32°450	-10°595	-4	M	...	...	27°590	+35°589	-2	...	...
221	-38°358	+49°756	-5	M	...	281	-32°312	+40°085	0°75	...	...	341	-27°501	-47°365	-1	...	...
...	38°335	+34°721	-5	M	...	...	32°079	-22°993	-4	M	...	...	27°254	-24°730	-3	...	...
...	38°275	+2°263	-5	...	...	...	32°074	-39°572	-5	M	...	...	27°180	+12°986	-3	...	...
...	38°028	-28°918	0°95	...	...	...	* 31°968	+7°418	1°00	46.9493	10°4	...	27°055	-20°831	-5	M	...
...	37°803	+43°879	-5	M	...	...	31°942	+12°023	-3	...	...	...	26°983	-37°693	-4	M	...
...	-37°708	+16°008	-5	M	...	...	-31°903	+24°353	-5	M	...	...	-26°908	+11°752	-3	...	...
...	37°705	+25°864	-3	M	...	...	31°811	+19°354	-4	M	...	...	26°895	-12°855	-4	M	...
...	37°643	-16°590	0°75	...	...	...	31°737	+46°385	-5	M	...	...	26°882	+54°596	-2	...	...
...	37°592	+4°029	0°90	...	...	...	31°690	-0°712	1°00	47.9061	10°4	...	26°882	-28°010	-4	M	...
...	37°569	-59°472	-5	M	...	...	31°591	-29°500	0°90	...	...	...	26°837	+50°732	0°80	...	...
231	-37°531	+48°801	-5	M	...	291	-31°579	+46°283	-4	M	...	351	-26°787	+38°211	-5	M	...	
...	37°519	+15°626	-5	M	...	...	* 31°561	-37°870	1°25	47.9060	9°8	*	26°607	-30°779	0°90	47.9064	10°4
...	37°485	+15°541	-5	M	...	...	31°406	-0°401	0°90	47.9062	10°4	*	26°597	+23°610	1°00	46.9498	10°0
...	37°438	+42°513	-5	M	...	...	31°299	+12°140	-5	M	...	...	26°534	+1°771	-4	M	...
...	37°368	-41°228	0°90	...	...	...	31°280	+41°084	-2	...	...	...	26°460	+52°184	-4	M	...
...	-37°354	+33°380	0°95	...	...	...	-31°210	-23°171	0°75	...	...	*	-26°454	-33°519	0°90	47.9065	10°2
...	37°324	+6°964	-5	M	...	...	31°186	-7°568	1°00	...	...	...	26°323	+24°385	-3	...	...
...	37°285	-52°451	-5	M	...	...	31°163	+6°421	0°70	...	...	...	26°234	+46°462	-3	...	...
...	37°216	-1°052	-5	M	...	...	31°126	-26°354	-3	M	...	...	26°229	-28°248	-5	M	...
...	37°194	+57°261	-2	...	...	...	31°085	+33°391	2°00	46.9494	9°0	*	26°153	-15°075	0°95	47.9066	10°4
241	-37°114	-53°031	-5	M	...	301	-31°080	+17°573	-4	M	...	361	-26°149	+32°844	-1	...	...
...	37°000	-58°671	-4	M	...	...	30°975	-27°751	-3	M	...	...	26°036	-7°002	-4	M	...
*	36°961	+45°616	1°00	46.9488	10°4	...	30°934	+52°883	-5	M	...	...	26°002	+29°843	0°65	...	...
...	36°942	+45°422	-5	M	...	...	30°882	+44°714	-4	M	...	...	25°942	-8°305	-4	M	...
...	36°826	-12°884	-4	M	...	...	30°881	+3°582	0°85	...	...	...	25°886	+44°978	-5	M	...
...	-36°735	+33°066	0°75	...	...	...	-30°756	+23°492	-4	...	...	...	-25°770	+34°230	-5	M	...
...	36°681	+2°171	-5	M	...	...	30°679	+4°660	0°90	...	...	...	25°651	-15°995	-4	M	...
...	36°484	+33°169	-5	M	...	...	30°562	-47°870	-4	M	...	...	25°597	-33°021	-3	M	...
...	36°475	+1°116	-5	M	...	...	30°549	-10°025	-5	M	...	...	25°542	+52°730	-3	...	...
...	36°232	-45°494	-2	A	...	...	30°501	-25°033	1°00	47.9063	10°4	...	25°379	+22°877	-4	...	...
251	-36°128	+41°610	1°00	...	...	311	-30°389	+8°514	0°70	...	...	371	-25°377	+29°022	0°65	...	...
+	36°101	-19°853	1°00	47.9056	10°0	†	30°184	-11°869	-2	...	...	...	25°370	-49°840	-4	M	...
...	36°039	+58°377	-2	...	...	...	30°124	-36°008	-5	M	...	*	25°358	-8°226	1°00	47.9068	9°6
*	35°807	+36°944	1°15	46.9489	9°9	...	29°747	+1°930	-4	M	...	+	25°264	-40°902	1°00	47.9067	10°2	
...	35°711	+35°801	-3	M	...	...	29°626	-17°614	-5	M	...	...	25°045	+46°780	-5	M	...
...	-35°616	+6°997	0°70	...	...	...	-29°601	-20°243	-4	M	...	...	-24°954	+10°887	-5	M	...
*	35°525	+54°093	1°00	46.9490	10°4	...	29°556	-17°892	-4	M	...	...	24°951	-27°157	-3	M	...
...	35°472	+54°121	-5	...	...	...	29°554	-11°970	-4	M	...	...	24°743	-8°376	-5	M	...
...	35°276	-1°761	-5	M	...	...	29°310	-0°487	-2	...	...	...	24°464	-1°776	-4	M	...
...	35°266	+22°660	-5	M	...	...	29°306	-13°368	-4	M	...	...	24°260	-45°208	-4	M	...
261	-34°984	+47°547	-5	M	...	321	-29°266	-58°721	0°95	48.9958	10°4	...	381	-24°142	+19°162	-5	M	...
...	34°932	-0°634	-2	A	...	...	29°207	-54°403	-2	...	...	...	24°080	+28°153	-4	...	...
+	34°857	-29°777	0°95	...	...	...	29°184	-5°715	-5	M	...	...	23°982	+58°046	-3	...	...
*	34°753	-39°306	1°30	47.9057	9°4	*	29°159	+45°168	0°95	46.9495	10°4	...	23°925	-13°089	-3	...	...
...	34°380	-46°681	0°90	...	...	...	28°945	-55°947	-4	M	...	...	23°887	+3°043	-2	...	...
...	-34°122	-50°275	-3	M	...	...	-28°832	+28°259	-1	...	...	...	-23°885	-47°465	-4	M	...
...	33°964	+20°875	-4	...	...	...	28°816	-54°069	-4	M	...	...	23°810	+49°142	-5	M	...
...	33°925	+11°953	-5	M	...	...	28°589	-53°510	-4	M	...	*	23°444	-12°486	1°30	47.9069	9°4
*	33°872	-23°013	1°30	47.9058	9°6	...	28°567	-19°118	-4	M	...	...	23°215	-30°130	-5	M	...
...	33°834	+0°086	0°70	α	...	...	28°493	+39°722	-2	...	...	*	23°054	-59°308	0°90	48.9960	10°4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
391-450																	
39 ^I	-23°025	+51°038	-3	o.	...	45 ^I	-16°764	+44°870	0°95	o.	...	51 ^I	-11°641	+17°025	0°90	o.	...
...	23°017	+10°369	-3	...	...	...	16°698	+29°934	1°00	46.9499	10°4	...	11°547	+40°670	1°00	46.9504	10°0
...	22°856	+46°355	-1	...	...	...	16°626	+42°894	0°90	...	...	...	11°473	-37°941	0°65	A	...
*	22°804	-10°996	0°80	...	...	...	16°581	-15°957	1°35	47.9075	9°4	...	11°369	-17°254	-5	M	...
...	22°719	+30°258	-3	...	...	...	16°543	-50°910	1°00	...	...	...	11°361	-21°712	-5	M	...
...	-22°363	-19°581	-5	M	...	...	-16°348	-31°850	-4	M	...	...	-11°330	-46°266	1°10	47.9082	10°2
...	22°325	+53°015	-3	M	...	...	16°325	+17°963	-5	...	...	...	11°167	-0°127	-4	M	...
...	22°033	+43°023	-5	M	...	...	16°229	+46°869	-5	M	...	...	11°007	-58°434	0°95	...	...
...	22°010	-24°241	-1	B	...	...	16°169	+55°392	-5	M	...	...	10°853	-59°206	-5	M	...
...	21°852	+6°982	-5	M	...	...	16°067	-41°687	-5	M	...	...	10°745	-40°937	-4	M	...
40 ^I	-21°737	+25°206	-5	M	...	46 ^I	-15°979	+31°093	-3	M	...	52 ^I	-10°619	+4°368	0°95	...	...
...	21°735	+32°330	-2	...	...	...	15°970	+11°418	-3	...	...	...	10°078	-27°668	-1	...	...
...	21°637	-15°843	0°75	47.9070	10°4	...	15°768	+13°531	-4	...	...	...	9°943	-7°903	0°95	47.9083	10°4
*	21°432	-7°071	0°90	...	...	...	15°762	+9°402	-4	...	...	...	9°833	-45°367	-5	M	...
...	21°276	+8°707	-2	...	...	...	15°703	-26°409	-4	M	...	...	9°776	+10°660	-5	M	...
...	-21°209	+10°664	-3	...	...	...	-15°384	+6°818	-2	...	...	...	-9°693	+4°869	-2	...	...
...	21°184	-56°745	-5	M	...	...	15°378	-24°798	-3	M	...	...	9°535	+39°395	-2	...	...
...	21°124	+26°046	-5	M	...	...	15°335	-32°772	-4	M	...	...	9°451	-47°403	0°70	...	...
...	21°120	+56°369	-5	M	...	...	15°284	+3°022	-2	...	...	...	9°328	+30°200	-5	M	...
...	21°073	-0°035	-5	M	...	...	15°209	-30°398	0°70	...	...	...	9°298	-53°377	-3	M	...
41 ^I	-21°068	+36°765	-5	M	...	47 ^I	-15°125	+17°826	0°75	...	...	53 ^I	-9°255	+18°226	-4	M	...
...	20°867	+19°037	0°70	...	...	...	14°978	+33°238	-2	...	...	...	9°191	-15°986	-3	...	...
...	20°852	+37°822	-3	...	...	...	14°965	-27°231	-5	M	...	...	9°086	+13°611	-4	...	...
...	20°819	-15°331	-1	...	...	...	14°944	+24°602	0°90	...	...	...	8°930	-15°523	0°90	47.9084	10°4
...	20°761	-50°409	-2	M	...	*	14°880	-21°187	1°00	47.9076	10°4	...	8°912	-21°723	-3	M m	...
*	-20°711	-1°018	0°90	47.9071	10°4	...	-14°751	-25°123	-2	A	...	...	-8°848	+48°610	-4	...	...
...	20°705	-30°147	-5	M	...	*	14°604	-4°981	0°95	47.9077	10°4	*	8°694	-37°813	0°95	47.9085	10°4
...	20°671	-32°421	-3	M	...	...	14°506	-12°563	-5	M	...	...	8°639	-49°996	-5	M m	...
...	20°589	-51°540	-5	M	...	...	14°428	+56°415	-4	...	...	...	8°593	+25°000	-1	...	...
...	20°492	+27°841	-2	...	...	...	14°217	+4°160	-5	...	...	...	8°591	-7°974	-5	M m	...
42 ^I	-20°388	+41°835	-1	...	...	48 ^I	-14°197	-2°682	1°00	47.9079	10°4	54 ^I	-8°470	+57°924	-1	...	...
...	20°130	-5°910	-5	M	...	...	14°191	+36°861	-5	M	...	...	8°106	+11°181	-4	...	...
...	20°037	+55°736	-5	M	...	...	14°161	-7°345	-2	...	...	...	8°074	-46°818	-5	M m	...
...	19°965	-10°838	-5	M	...	...	14°123	+49°865	-1	...	...	S *	8°055	-20°501	1°55	47.9086	8°8
...	19°834	+23°409	-5	M	...	*	13°945	-36°750	1°00	47.9078	10°2	...	8°029	+15°342	-3	...	...
*	-19°833	-10°134	-3	M	...	...	-13°882	-55°074	0°65	...	...	*	7°936	+56°698	0°95	46.9505	10°3
*	19°581	-55°042	1°00	...	...	*	13°866	+15°474	1°00	46.9500	10°2	...	7°930	-20°314	-1	...	...
...	19°460	+18°776	0°65	...	...	...	13°830	+1°062	-5	M	...	...	7°918	+53°241	-4	...	...
*	19°340	-17°391	0°90	...	...	...	13°687	-51°427	-3	M	...	...	7°855	-8°029	-4	...	...
*	19°225	-36°410	1°00	47.9072	10°2	...	13°675	-25°010	-4	M	...	...	7°830	-42°414	-4	M m	...
43 ^I	-19°108	+54°347	1°00	...	...	49 ^I	-13°624	+52°163	-2	...	...	55 ^I	-7°827	-54°523	0°80	...	...
...	19°034	+38°543	-5	M	...	*	13°569	+40°768	1°00	46.9501	10°4	*	7°706	+53°337	0°95	46.9506	10°4
...	18°990	+43°420	-2	...	...	...	13°362	+13°849	-5	M	...	...	7°686	-42°018	-4	M m	...
†	18°828	-34°775	0°70	...	...	...	13°238	-16°243	0°80	...	...	...	7°614	+7°035	-1	...	...
...	18°690	+37°012	-2	...	...	...	13°205	-11°892	-5	M	...	...	7°539	-53°121	-3	M	...
S *	-18°531	-53°625	3°90	47.9073	6°9	...	-13°122	-57°221	-4	M	...	...	-7°493	+15°409	-1	...	...
...	18°327	+27°985	0°80	...	...	*	13°100	-9°271	1°00	47.9081	10°2	...	7°401	+58°123	-5	M	...
...	18°157	+32°890	-3	M	...	*	12°986	+46°548	1°00	46.9502	10°0	*	7°383	+38°764	1°60	46.9507	9°0
...	18°145	+38°507	-4	M	...	*	12°936	-55°281	1°10	47.9080	10°0	...	7°372	+38°985	-5	M m	...
...	18°010	-47°093	-3	M	...	...	12°877	-48°359	-2	B	...	...	7°114	+46°418	-3	...	...
44 ^I	-18°009	-25°622	-4	M	...	50 ^I	-12°871	+37°108	-4	...	...	56 ^I	-7°075	+9°678	-4	M	...
*	17°817	-20°191	1°05	47.9074	9°9	...	12°662	-17°229	-5	M	...	...	6°972	-9°287	-1	...	...
...	17°640	+49°575	-2	...	...	...	12°652	+33°939	-4	...	...	...	6°896	-5°351	-2	...	...
...	17°522	+19°587	0°90	...	...	...	12°633	-40°371	-2	A	...	...	6°516	-37°368	-3	M	...
...	17°512	-23°824	-3	...	...	...	12°479	-6°019	-2	...	...	...	6°425	+30°970	-5	M m	...
...	-17°408	+38°258	-5	M	...	...	-12°192	-57°023	-5	M	...	...	-6°107	-52°740	-5	M m	...
...	16°914	-31°940	-5	M	...	...	12°073	-54°280	-2	...	...	...	6°048	-38°031	-4	M m	...
...	16°849	-36°907	-5	M	...	*	11°929	-42°536	1°00	...	...	...	5°966	-19°145	0°90	47.9087	10°4
...	16°818	+38°620	-5	M	...	*	11°859	+27°556	2°30	46.9503	8°4	...	5°860	-25°762	-4	M m	...
...	16°793	+37°005	0°90	...	...	...	11°724	-59°454	-5	M	...	...	5°784	-52°199	-5	M m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		0.65	No.	Mag.	x.	y.		0.65	No.	Mag.	x.	y.	0.65	No.	Mag.			
571-630																				
571	- 5.743	+47.822	- 5	M m	...	...	+ 2.001	-33.973	- 5	M m	...	...	691	+ 8.212	-33.146	- 5	M m	...
...	5.404	+43.071	- 2	...	...	*	2.085	+13.146	1.00	46.9513	10.4	*	*	8.353	+ 1.600	1.00	47.9093	10.4
...	5.306	+59.902	- 4	...	...	*	2.646	-56.457	1.10	47.9090	9.9	...	...	8.390	+24.470	0.65	...	...
+	5.222	+45.475	0.90	46.9508	10.0	...	2.713	-40.149	- 4	M m	...	...	...	8.427	-57.077	0.90	...	...
...	5.104	+26.661	- 2	...	...	...	2.781	+21.759	- 3	...	...	...	...	8.463	-40.273	- 2	M a	...
...	- 4.790	+22.207	- 3	...	...	...	+ 2.858	+25.207	- 2	...	...	...	...	+ 8.490	-39.034	- 2	M	...
...	4.704	+44.879	0.75	...	...	...	2.884	- 1.341	0.95	...	...	...	...	8.550	+20.701	- 2	...	...
...	4.639	+8.127	- 5	M	...	...	2.956	-37.637	- 2	M	...	...	...	8.625	-26.603	0.80	...	...
+	4.631	+25.155	0.85	...	...	+	2.997	+ 5.110	1.00	46.9514	9.9	...	...	8.822	+32.311	- 5	...	...
...	4.253	+52.096	- 1	...	...	...	3.027	+36.781	- 4	M	...	...	...	8.978	+59.745	- 2	...	...
581	*	- 4.094	-54.314	1.00	47.9088	10.3	...	641	+ 3.027	+56.093	- 4	701	+ 8.990	+59.549	0.95
...	4.037	+34.017	- 4	...	...	...	3.054	+42.765	0.85	...	...	...	...	9.099	+43.282	- 5	...	...
...	4.003	-55.205	- 5	M m	...	...	3.202	+50.110	- 5	M	...	...	...	9.343	+52.842	0.95	...	...
...	3.266	-40.854	- 4	M m	...	*	3.328	-36.905	1.00	47.9091	10.0	...	...	9.413	-28.304	- 5	m	...
...	3.161	+36.990	- 5	M m	...	...	3.491	-46.058	- 5	M m	...	...	...	9.413	+50.477	- 3	...	...
...	- 3.138	-44.505	- 4	M	...	*	+ 3.504	+16.825	1.00	46.9515	10.2	...	...	+ 9.876	+34.428	- 4	...	...
...	2.955	+33.967	- 5	M m	...	...	3.537	-14.238	- 5	M m	...	...	...	10.006	+25.296	- 5	m	...
...	2.844	-11.278	- 4	M m	...	...	3.561	+12.400	- 4	M	...	...	...	10.030	- 3.279	- 3	...	...
*	2.722	+ 1.760	1.00	46.9509	9.8	...	3.621	-18.157	- 2	...	...	...	...	10.117	-50.327	- 4	m	...
...	2.644	-15.242	- 5	M m	...	...	3.740	+50.821	- 5	M	...	...	...	10.250	+29.806	- 3	...	...
591	*	- 2.520	-55.561	1.00	47.9089	10.0	...	651	+ 3.947	-46.720	- 5	M m	711	+ 10.565	+20.619	- 2
...	2.506	-57.168	- 3	...	...	...	3.956	+ 0.994	- 1	...	...	...	...	10.577	+46.245	1.00	46.9521	9.9
...	2.343	+49.716	- 3	...	...	...	4.030	-42.618	0.70	...	...	...	...	10.899	+37.516	- 3	...	...
*	1.656	+32.322	0.95	46.9510	10.3	...	4.329	-43.594	- 4	M m	...	...	...	10.995	+13.287	- 2	...	...
...	1.614	+11.536	- 3	...	...	...	4.365	- 7.977	1.00	...	...	...	...	11.141	+37.196	- 3	...	...
...	- 1.446	+56.728	- 5	M	...	...	+ 4.394	-22.098	- 5	M m	...	...	...	+ 11.194	+59.124	- 5	...	...
...	1.424	+29.797	0.70	...	...	...	4.512	+40.661	- 5	M	...	...	...	11.285	- 4.956	- 1	a	...
...	1.414	+31.486	- 4	M	...	...	4.563	-38.329	- 2	M	...	...	...	11.369	- 1.546	- 4	m	...
...	1.383	- 5.656	- 4	M m	...	+	4.708	+21.743	- 3	...	...	...	...	11.498	-40.279	- 4	m	...
...	1.008	+42.300	- 2	...	...	+	4.823	-16.213	1.00	...	...	...	...	11.570	-10.274	- 4	m	...
601	...	- 0.890	+24.566	0.65	661	+ 4.986	-42.140	0.90	721	+ 11.600	+49.005	- 4	
...	0.840	-21.522	- 4	...	...	...	4.993	-59.484	0.95	...	...	...	...	11.658	-34.807	- 4	m	...
...	0.824	+41.791	- 5	M	...	...	5.147	+ 1.891	0.85	...	...	...	...	11.853	-48.247	- 4	m	...
...	0.767	-57.896	0.70	...	...	*	5.175	+14.023	1.00	46.9516	10.0	...	...	11.892	-28.761	- 5	m	...
...	0.743	-45.560	- 4	M	...	*	5.310	+33.506	1.00	...	...	...	...	12.019	+33.646	0.65	...	...
...	- 0.651	+ 1.140	- 1	...	...	...	+ 5.369	+40.623	0.90	...	...	...	...	+ 12.315	-21.441	- 4	m	...
...	0.650	-30.711	- 5	M m	...	...	5.378	-36.577	- 4	M m	...	...	...	12.486	+ 3.039	- 5	...	...
...	0.625	+44.660	- 5	M	...	...	5.404	+ 9.829	- 3	...	...	...	...	12.510	-35.157	- 4	m	...
...	0.577	-25.631	- 2	...	...	...	5.437	+ 7.566	0.85	...	...	...	...	12.597	+58.865	- 3	...	...
...	0.408	+40.771	- 4	M	...	...	5.448	-16.782	0.90	...	...	...	...	12.924	-31.702	- 4	m	...
611	...	- 0.339	+21.048	- 2	671	+ 5.488	+ 6.465	- 3	731	+ 13.017	-51.325	- 4	m	...	
...	0.294	+12.692	- 3	...	...	...	5.677	-53.884	- 2	...	...	...	...	13.133	-51.479	- 4	m	...
...	0.280	-47.939	- 4	M	...	...	5.826	+48.133	- 5	M m	...	...	...	13.171	+12.764	- 4	...	...
*	- 0.043	+28.987	1.00	46.9511	10.0	*	5.859	+17.665	5.00	46.9517	6.9	...	...	13.233	+35.957	- 4	...	...
S *	+ 0.028	-54.594	- 2	M	...	...	5.862	-11.334	- 5	M m	...	...	...	13.248	+22.504	- 3	...	...
...	+ 0.201	+17.232	5.00	46.9512	6.9	...	+ 5.917	- 8.906	- 3	M	...	...	...	+ 13.525	+40.435	- 5	...	...
...	0.229	+46.882	- 3	...	...	*	5.921	-42.805	1.00	47.9092	10.3	...	...	13.816	+16.506	- 1	...	...
...	0.296	+32.299	- 2	...	...	...	6.291	+43.815	0.90	...	...	...	...	13.863	-18.422	- 1	...	...
...	0.296	+22.777	- 4	M	...	...	6.320	+ 3.194	- 5	M m	...	...	...	13.883	+12.390	- 2	...	...
*	0.369	-18.271	0.95	...	...	...	6.379	+36.034	0.75	...	...	...	...	14.058	-32.348	- 1	...	...
621	...	+ 0.526	-45.714	- 2	681	+ 6.713	+28.631	- 2	741	+ 14.080	+47.377	- 3	
...	0.899	-15.782	- 4	M	...	...	6.774	+36.260	- 4	...	...	...	...	14.139	+14.138	- 3	...	...
...	1.018	+53.510	- 3	...	...	...	7.041	-32.793	0.75	...	...	...	...	14.169	-52.457	- 3	m	...
...	1.146	-11.354	- 2	...	...	...	7.171	-40.601	0.70	...	...	...	...	14.179	-26.563	- 1	...	...
...	1.436	-32.267	0.95	...	...	...	7.428	+45.392	- 5	...	...	...	...	14.459	+ 0.496	- 5	...	...
...	+ 1.458	+39.087	- 2	...	...	...	+ 7.467	+48.723	- 5	M	...	...	...	+ 14.470	- 5.860	- 5	m	...
...	1.610	+57.043	- 4	...	...	*	7.596	+26.908	0.90	...	...	...	...	14.498	+18.001	0.70	...	...
...	1.686	+50.773	- 3	...	...	*	7.868	+ 6.560	2.10	46.9518	8.3	...	...	14.782	-33.391	- 3	...	...
...	1.746	+49.974	- 3	...	...	*	7.980	+30.290	1.00	46.9519	10.3	...	...	14.883	-35.647	0.85	47.9094	10.4
...	1.756	+ 3.335	0.85	...	...	...	8.113	+15.616	0.85	...	...	...	...	14.939	+20.424	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.
751-810																	
75 ¹	+15°145	+47°751	0°75	.	.	811	+21°756	+10°950	-4	.	.	87 ¹	* +27°952	+8°561	1°05	46.9525	9°9
...	15°230	-27°608	0°65	...	...	...	22°016	+17°939	0°90	...	...	...	28°070	-45°136	-4	m	...
...	15°292	+54°761	0°85	...	...	*	22°071	-35°261	0°95	...	...	...	28°209	+26°022	-2	...	...
...	15°296	+24°139	-3	...	...	...	22°298	+12°483	-5	...	...	...	28°316	+24°039	-4	...	...
...	15°314	-5°192	-3	...	...	...	22°378	-46°157	-5	m	...	*	28°373	+1°439	1°00	47.9103	10°0
...	+15°354	+22°418	-5	...	...	...	+22°433	-29°945	-4	m	...	...	+28°580	+50°479	-4	...	...
...	15°502	+16°179	-2	...	...	...	22°462	+56°409	-3	...	...	...	28°650	+4°997	-4	...	...
...	15°527	+30°737	-4	...	...	...	22°534	+16°617	0°85	...	...	*	28°835	+3°004	1°00	46.9526	10°3
...	15°542	+22°682	-2	...	...	...	22°548	-38°595	-2	...	...	...	28°999	-48°546	-2	a	...
*	15°622	-4°983	1°20	47.9095	9°5	†	22°911	-34°724	-3	m	...	...	29°503	+42°489	-5	...	...
76 ¹	+15°655	+6°388	-5	...	...	821	.	.	.	.	.	88 ¹	+29°590	-44°523	0°70	...	...
S *	15°689	-23°718	3°90	47.9096	7°3	...	+23°090	-47°348	0°95	...	...	†	29°620	+18°604	-2	...	...
...	15°706	+39°613	-4	...	...	...	23°101	+29°747	-5	...	...	...	30°007	-25°965	-4	m	...
...	15°741	+53°893	-5	...	...	*	23°161	+47°944	-1	...	...	...	30°031	+27°040	-5	m	...
...	16°083	-54°831	-4	m	...	*	23°260	+10°060	0°95	46.9523	10°4	...	30°107	+56°965	-5	...	...
...	+16°087	-47°024	-5	m	...	...	+23°449	+13°808	-5	...	...	...	+30°124	+32°515	-4	...	...
...	16°265	+36°450	-2	...	...	...	23°482	+38°461	-4	...	...	...	30°155	+31°461	-4	...	...
...	16°326	+25°864	-3	...	...	*	23°551	-47°092	1°30	47.9101	9°0	...	30°265	-32°677	-2	...	...
...	16°385	+10°049	-5	...	...	*	23°673	-46°991	1°05	...	...	...	30°318	+36°435	-2	...	...
...	16°453	-0°152	-4	m	...	...	23°792	-18°306	-5	m	...	...	30°358	-33°651	0°65	...	...
77 ¹	+16°457	+6°469	-3	...	...	831	.	.	.	.	.	89 ¹	+30°562	+5°457	-4	...	...
...	16°463	-41°413	-2	...	...	...	24°033	+5°053	-5	...	...	*	30°787	+45°429	1°00	46.9527	9°6
*	16°524	+29°273	0°80	...	...	...	24°046	+37°789	0°70	...	...	...	30°882	+40°204	-4	...	...
...	16°534	+18°177	-5	...	...	...	24°104	+34°826	-5	...	...	...	30°985	+59°563	-4	...	...
...	16°639	-56°993	-5	m	...	†	24°180	-9°851	-5	...	...	...	31°188	+24°487	-5	m	...
*	+16°932	-23°090	3°70	47.9097	7°3	...	+24°197	+11°687	-5	...	...	*	+31°488	-0°938	0°90	47.9104	10°2
*	16°968	-16°724	1°10	47.9098	9°9	...	24°201	+16°687	-2	...	...	...	31°594	-12°359	-5	m	...
...	16°968	+37°874	-3	...	...	...	24°223	-52°776	-5	m	...	...	31°674	+17°833	-2	...	...
...	17°001	+21°564	-2	...	...	...	24°639	+46°854	-5	m	...	...	31°724	+55°103	-4	...	...
...	17°022	-17°985	-3	...	...	†	24°696	+46°723	-2	...	...	...	31°862	-48°803	-2	...	...
78 ¹	+17°434	+34°705	-4	...	...	841	.	.	.	.	.	90 ¹	+31°890	+5°265	-4	...	...
...	17°436	-3°156	-3	...	...	...	24°937	+6°094	-5	...	...	...	31°983	-16°968	-5	m	...
...	17°451	+26°758	-1	...	...	...	24°961	-49°581	-2	b	...	...	31°984	+15°608	-2	...	...
...	17°680	+24°500	-5	m	...	...	24°990	+4°079	-3	...	...	...	32°165	-23°016	0°85	...	...
...	17°749	+36°208	-4	...	...	...	25°548	+4°234	0°70	...	...	...	32°227	+13°687	-5	...	...
...	+17°874	+47°210	-4	...	...	...	+25°655	+56°556	-4	...	...	...	+32°288	+51°646	-5	m	...
...	18°120	-38°637	-4	...	...	...	25°883	+10°214	-5	m	...	...	32°493	-51°005	-4	m	...
...	18°379	-42°480	-5	m	...	...	25°901	+7°932	0°90	...	...	...	32°585	-1°845	-4	m	...
...	18°414	-13°338	-2	...	...	...	25°932	-26°760	-5	m	...	*	32°684	+31°716	1°30	46.9528	9°4
...	18°514	-38°796	-5	m	...	...	25°977	+3°245	-4	...	...	...	32°701	-3°509	-5	m	...
79 ¹	+18°666	+35°431	-4	...	...	851	.	.	.	.	.	91 ¹	+32°811	+30°598	-2	...	...
...	18°826	+34°847	-4	...	...	...	26°320	-48°995	-2	...	...	...	32°833	+26°479	-4	...	...
...	18°861	-34°432	-3	m	...	...	26°425	+40°154	-5	m	...	...	32°835	-3°189	-4	m	...
...	18°883	+13°418	-4	...	...	...	26°440	+16°101	0°95	...	...	...	32°839	-56°216	-3	m	...
*	18°977	-41°015	0°80	...	...	S *	26°483	+53°914	1°55	46.9524	8°9	...	32°857	+21°176	0°70	...	...
...	+19°029	+44°197	-5	...	...	...	+26°559	-43°738	-5	m	...	...	+32°923	-2°661	-2	...	...
...	19°571	-20°591	-4	...	...	S ‡	26°601	-44°701	1°35	47.9102	8°9	...	33°223	+13°925	-4	...	...
†	19°617	-54°793	-1	...	...	†	26°605	+40°092	-5	...	...	...	33°270	+44°139	-4	...	...
...	19°922	-59°507	-4	m	...	...	26°670	-15°193	-4	m	...	...	33°280	+9°206	-5	m	...
...	19°955	+37°083	-2	...	...	...	26°855	+11°802	0°90	...	...	...	33°383	+21°818	-3	...	...
80 ¹	+20°418	-27°505	0°85	...	...	861	.	.	.	.	.	92 ¹	+33°552	+17°597	-5	...	...
...	20°462	-42°367	-4	m	...	...	27°010	+57°223	-3	...	...	...	33°556	-37°025	-4	m	...
...	20°626	+11°791	-5	...	...	...	27°116	+7°332	-2	...	...	...	33°596	+31°777	-4	m	...
...	20°886	-25°538	-3	m	...	...	27°135	-11°373	-4	m	...	...	33°754	-3°197	-4	m	...
...	20°917	-0°267	0°90	47.9099	10°4	...	27°140	-38°087	-2	m	...	...	33°777	+21°474	-2	...	...
*	+20°976	-40°268	1°20	47.9100	9°4	*	+27°170	-3°332	1°00	...	...	...	+33°964	-13°592	0°70	...	...
...	21°060	-27°077	-5	m	...	...	27°195	-26°584	-5	m	...	...	34°091	+48°537	-5	m	...
...	21°456	-44°285	-5	m	...	...	27°369	-27°142	0°90	...	...	...	34°105	-10°577	-4	m	...
...	21°478	-9°904	0°85	...	...	...	27°395	-25°403	-2	...	...	*	34°147	+11°980	0°90	46.9530	10°4
*	21°629	+48°092	1°00	46.9522	10°4	†	27°688	-29°766	0°75	...	...	*	34°171	+26°677	0°90	46.9529	10°3

Notes.	Co-ordinates.		Diam. o·65	C.P.D.		Notes.	Co-ordinates.		Diam. o·65	C.P.D.		Notes.	Co-ordinates.		Diam. o·65	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
931-990																	
931	+34°187	-26°563	-5	o	m	...	...	+40°827	+53°498	-3	o	...	...	+49°131	+11°476	o·80	o
...	34°189	-18°656	-4	m	...	...	...	40°925	+0°478	-5	m	...	...	49°153	+51°686	-5	...
...	34°204	+39°328	-2	...	...	*	41°057	+31°949	1°15	46.9536	9°9	...	...	49°191	+27°481	-3	...
...	34°360	+31°385	-4	...	...	...	41°324	+5°803	-4	...	...	...	...	49°302	+33°266	-4	...
...	34°384	-13°837	-4	m	...	...	41°394	+28°254	0°90	...	...	...	...	49°531	-16°572	1°00	...
...	+34°525	+48°230	-4	...	...	...	+41°414	-39°330	-4	m	...	...	...	+49°682	-16°914	-4	e
+	34°655	+0°178	1°00	47.9105	9°3	...	41°617	-34°693	-4	e	...	...	...	49°733	+22°617	o·65	...
...	35°087	-40°312	-2	a	...	...	41°661	-2°735	-4	m	...	...	...	49°734	+27°393	-3	...
*	35°120	+35°685	1°40	46.9531	9°2	*	41°811	+46°844	1°00	46.9537	10°4	...	...	49°855	-46°238	-4	e
*	35°247	+51°954	0°95	46.9532	10°4	...	42°230	+8°380	-4	...	...	...	...	49°958	+42°442	-5	...
991-1050																	
941	+35°327	+27°559	-3	...	...	1001	+42°350	+42°133	-5	...	...	...	...	+50°196	+12°469	-3	...
*	35°369	+29°036	1°00	46.9533	9°8	...	42°359	+17°635	-4	...	...	...	...	50°197	-4°919	-4	e
...	35°446	+42°002	-1	...	...	...	42°393	-5°472	0°65	e	...	...	...	50°207	-57°256	-5	m
...	35°624	+5°061	-1	...	...	...	42°450	-52°971	1°00	...	...	...	...	50°279	+51°850	0°85	46.9541
...	35°634	+17°242	-3	...	...	...	42°773	-24°587	-3	e	...	...	...	50°311	-21°604	-1	...
...	+35°648	-14°883	-2	...	...	...	+42°819	-29°621	-4	e	...	...	...	+50°343	+17°716	0°75	...
...	35°768	+53°169	-4	...	...	...	43°149	+0°319	-4	...	...	...	...	50°775	-35°821	-5	m
...	35°811	+51°634	-4	...	...	...	43°241	+38°706	-4	...	...	...	...	50°830	+8°218	-1	...
...	36°073	-54°405	-3	m	...	...	43°360	+14°885	-5	...	...	...	...	50°968	+31°577	-4	...
...	36°112	+6°346	-2	...	...	...	43°862	+33°116	-5	m	...	...	...	51°204	-12°237	-4	e
1051-1110																	
951	+36°125	-16°440	0°65	...	...	1011	+43°946	+17°213	0°90	...	...	...	...	+51°290	-10°580	-2	...
...	36°193	-36°104	-4	m	...	*	44°045	+17°717	0°95	...	...	...	...	51°320	+27°601	-4	...
...	36°224	-36°603	-4	m	...	...	44°320	-12°291	-5	m	...	...	...	51°379	+50°798	-4	...
...	36°390	+19°872	-4	m	...	...	44°380	-8°588	-5	e	...	...	...	51°503	-58°562	-2	e
...	36°455	+6°982	-5	m	...	...	44°425	+22°891	-2	...	...	...	...	51°608	+31°752	-3	...
...	+36°563	-34°822	-3	m	...	...	+44°468	-9°442	-2	...	...	...	...	+51°736	-30°162	-4	e
...	36°696	+29°959	-4	m	...	...	44°684	-5°754	0°65	...	...	...	...	51°777	-0°755	1°30	47.9109
...	36°932	+15°629	-2	...	...	...	44°687	-34°475	0°85	...	...	...	...	51°937	-27°919	-2	e
...	37°034	-38°163	-2	...	...	...	44°733	-5°647	0°75	...	...	...	...	51°953	+12°586	-4	...
...	37°053	-56°548	-5	m	...	*	44°767	+24°767	1°00	46.9538	10°3	*	...	51°971	-14°299	0°90	47.9110
1021-1081																	
961	+37°116	+53°719	-2	...	...	1021	+44°804	-55°713	-4	e	...	...	...	+52°032	-2°609	0°70	...
...	37°524	-16°541	-5	m	...	...	44°892	-1°203	0°75	...	...	...	...	52°058	-2°845	-3	...
...	37°570	-9°057	-4	m	...	...	44°912	+3°800	0°80	...	...	...	...	52°141	+1°835	0°70	...
+	37°826	+39°955	1°00	46.9534	9°8	...	45°096	+14°457	-5	...	...	...	...	52°177	+45°495	-4	...
...	38°198	+3°988	0°70	...	...	...	45°225	+24°329	-5	...	...	...	...	52°199	+26°388	-5	e
...	+38°282	+24°501	-5	m	...	...	+45°288	-20°450	-2	e	...	...	...	+52°291	+32°170	-4	...
...	38°377	-9°479	-2	...	...	...	45°426	+59°806	-1	...	...	...	...	52°434	-50°569	-3	e
...	38°424	-56°632	-5	m	...	...	45°821	-2°140	0°85	...	...	...	...	52°548	-30°437	-5	m
...	38°481	+9°213	-5	...	...	...	45°825	+22°035	0°65	...	...	...	...	52°570	+18°318	-3	...
...	38°486	+24°842	-4	...	...	...	46°205	-31°574	-4	e	...	...	...	52°858	-1°095	-4	e
1031-1091																	
971	+38°550	-28°982	-3	m	...	1031	+46°337	-13°934	-4	e	...	...	...	+53°016	+54°898	-4	...
...	38°834	-11°310	-3	...	...	...	46°341	+28°689	-3	...	...	...	...	53°102	+6°167	-1	...
...	39°264	-38°361	-5	m	...	*	46°499	-42°755	1°70	47.9107	8°8	...	...	53°349	+1°088	-5	e
...	39°291	-15°408	-4	m	...	...	46°864	-23°118	-5	m	...	...	...	53°572	+15°744	-4	...
*	39°368	+18°355	1°10	46.9535	9°6	...	46°969	-13°443	-4	e	...	...	...	53°961	+7°004	-3	...
*	+39°417	-23°525	1°00	47.9106	9°9	...	+47°096	-25°413	0°95	...	...	...	...	+54°069	-8°727	-4	e
...	39°461	+53°893	-4	m	...	*	47°132	+51°609	1°15	46.9539	10°0	...	...	54°093	-3°789	-4	e
...	39°540	-7°220	-4	m	...	...	47°135	+54°248	-5	...	...	...	...	54°275	+14°133	-2	...
*	39°749	-8°496	1°00	...	...	...	47°142	+56°609	-5	...	...	...	...	54°283	-23°017	-4	e
...	39°779	+17°811	0°90	...	...	...	47°227	-27°546	-5	e	...	...	...	54°402	-51°134	-2	...
1041-1101																	
981	+39°934	-16°531	0°65	...	S*	1041	+47°316	-31°505	2°85	47.9108	8°1	†	+	+54°567	+12°003	-4	...
...	40°170	+32°624	-3	...	...	...	47°414	+8°432	-5	...	...	...	...	54°576	+51°474	-4	...
...	40°294	-35°240	-3	m	...	...	47°511	+27°568	-5	...	...	...	...	54°815	-7°701	-5	e
...	40°348	+48°400	-5	...	S*	...	47°623	+16°698	1°80	46.9540	9°0	...	...	54°947	+35°287	-4	...
...	40°360	-9°361	0°85	...	...	...	47°651	+33°836	-2	...	...	...	...	54°987	-10°993	-5	e
...	+40°437	+1°123	0°75	...	...	...	+47°738	-35°683	-4	m	...	...	...	+55°013	-50°032	-5	e
...	40°442	+41°761	-4	...	...	...	48°206	-24°713	-5	m	...	...	...	55°090	-20°972	-1	...
...	40°477	+38°035	0°90	...	...	...	48°811	-59°422	-4	e	...	...	...	55°126	+15°654	0°75	...
...	40°494	-13°484	-3	m	...	...	48°945	-42°030	-4	...	...	...	...	55°230	-36°743	-5	e
...	40°571	+19°977	-5	...	...	...	48°967	-28°318	-5	e	...	...	...	55°283	-44°418	-1	...

-47°

No. 113

CAPE ASTROGRAPHIC ZONE.

1905·47

18^h 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.
1111-1130																	
I	... +55°31'4	+52°43'1	- 1	46.9542	10·4	II 31	+57°72'5	-29°91'3	- 2	...	...	II 51	+59°42'7	+2°14'8	- 4	...	...
...	55°40'7	-36°97'7	- 5	e	...	...	57°80'9	+26°47'3	- 5	...	...	...	* 59°45'1	+32°19'0	1°20	46.9548	9·8
*	55°49'1	+7°52'4	1°60	46.9543	8·8	...	57°88'4	-11°42'2	- 5	m	...	...			
...	55°54'3	-47°82'1	- 2	...	...	...	58°21'4	-10°58'5	- 5	m	...	...			
...	55°55'1	+38°28'1	- 5	...	...	*	58°38'5	+9°31'7	1°10	46.9547	9·8						
...	+55°73'9	+55°25'7	- 2	...	...	...	+58°38'8	-53°41'5	- 3	...	...				
*	55°76'2	+28°61'8	1°00	46.9544	10·0	...	58°43'3	-28°85'0	- 1	...	...				
...	55°83'8	+13°71'1	- 3	...	...	*	58°47'9	+32°17'1	1°00	46.9545	9·9						
*	55°93'7	-35°02'7	0°95	47.9111	10·2	...	58°54'7	-26°30'0	- 5	e	...						
...	56°14'3	-10°45'2	- 5	m	...	...	58°54'9	+24°83'5	- 4	...	...				
II 21	+56°36'8	-10°74'5	- 5	e	...	II 41	+58°57'1	+19°65'4	0°95	46.9546	10·3						
...	56°45'3	-31°56'9	- 3	...	...	*	58°61'6	-8°58'2	1°00	47.9112	10·0						
...	56°64'6	-33°73'0	- 5	e	...	...	58°71'9	+5°56'9	- 5	...	...				
†	56°84'6	-4°91'0	- 2	...	...	...	58°74'7	-17°38'9	0°70	...	...				
...	56°94'5	+12°66'8	- 4	...	...	...	58°83'6	-10°36'3	- 4	m	...						
...	+57°01'4	-58°62'2	- 2	...	...	...	+59°00'7	+24°71'6	- 2	...	...				
...	57°01'7	-31°23'0	- 4	e	...	...	59°02'4	-35°57'8	- 5	e	...						
...	57°10'5	+7°37'7	- 3	59°03'5	-26°88'1	- 2						
...	57°22'3	-6°27'1	- 4	e	59°09'1	+22°72'9	- 2						
...	57°33'7	+7°79'2	- 4	59°28'1	-7°30'8	- 5	m	...						

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No. 114

D, 0·65

1905·47

18^h 55^m

1-30					31-60					61-90								
I	-59°76'7	-5°75'5	- 2	E	...	S 31	-55°24'1	+16°57'9	1°65	46.9540	9·0	61	-51°06'9	+54°94'0	- 5	
...	59°60'1	-34°98'7	- 5	E	...	†	55°11'6	-31°71'4	- 4	E	...	...	50°99'2	-46°26'1	- 5	E	...
...	59°46'0	+14°62'8	- 5	M	...	...	54°93'7	-13°57'0	- 5	E	...	...	50°98'1	+26°40'4	- 5	E	...
...	59°19'9	+0°06'9	- 4	...	...	*	54°43'7	-42°88'4	2°00	47.9107	8·8	...	50°79'1	+12°60'5	- 5	...	...
...	58°93'7	+16°97'4	0°95	...	...	*	54°42'7	-25°52'8	0°95	...	...	...	50°74'7	-12°23'5	- 4	E	...
*	-58°86'1	+17°47'5	1°00	...	...	...	-54°22'9	-27°65'9	- 4	E	...	...	-50°70'4	-10°57'6	- 2	...	...
...	58°83'0	+59°59'3	- 2	54°10'8	+33°18'4	- 5	*	50°53'0	-0°74'1	1°40	47.9109	9·4
†	58°77'9	-24°84'0	- 4	E	...	...	54°02'3	+27°40'3	- 5	...	...	...	50°35'2	+18°35'3	- 2	...	...
...	58°64'7	+22°66'0	- 3	...	...	S *	53°97'5	-31°61'4	2°00	47.9108	8·1	...	50°25'0	+1°86'6	0·90	...	...
II	58°55'8	-29°87'5	- 5	E	...	*	53°71'4	+51°79'9	1°05	46.9541	10·4	...	50°21'8	-2°57'2	0·90	...	...
*	-58°36'4	+24°54'9	1°00	46.9538	10·3	41	-53°57'0	+11°40'4	0·80	...	...	71	-50°17'9	-2°80'8	- 2	...	...
...	58°18'3	-53°22'2	- 1	53°47'7	+27°33'6	- 3	*	49°90'3	-14°26'6	0·95	47.9110	10·4
...	57°88'1	+24°12'0	- 5	...	...	...	53°32'2	+22°56'2	0°95	...	...	...	49°64'1	-30°13'4	- 4	E	...
...	57°69'1	+14°24'6	- 5	...	...	...	52°97'9	-6°23'0	- 5	M	...	...	49°50'0	-27°87'9	- 3	E	...
...	57°67'3	-9°06'9	- 5	E	...	...	52°57'5	+50°78'3	- 5	...	...	...	49°44'9	-1°03'8	- 4	E	...
...	-57°55'9	-9°65'4	- 3	...	...	*	-52°56'2	+17°68'0	1°00	...	...	...	-49°43'5	+6°22'4	- 1	...	...
...	57°54'3	+3°59'8	- 1	...	...	...	52°54'9	+12°43'2	- 3	...	...	...	49°39'6	+51°56'5	- 4	...	...
...	57°47'3	-5°96'2	0·65	...	...	...	52°45'4	-28°36'9	- 5	E	...	...	49°27'6	+15°82'4	- 4	...	...
...	57°41'8	-5°85'4	0·75	...	...	...	52°38'4	+31°55'0	- 4	...	...	...	49°01'2	+1°15'4	- 5	E	...
...	57°40'7	-1°40'8	0·75	...	...	*	52°27'2	-16°61'5	1°00	...	...	...	48°95'5	-58°52'7	- 3	E	...
21	-57°20'9	+21°85'0	- 3	...	...	51	-52°09'9	-16°95'8	- 4	E	...	81	-48°70'0	+52°53'8	- 1	46.9542	10·4
...	56°91'7	+28°51'9	- 5	...	...	...	52°04'4	-42°09'1	- 4	...	...	...	48°61'4	+7°08'8	- 3	...	...
*	56°85'6	+51°44'8	1°20	46.9539	10·0	...	51°98'2	-4°93'8	- 4	E	...	...	48°52'4	+14°22'2	- 3	...	...
...	56°54'9	-34°66'6	- 1	...	...	...	51°89'4	+27°59'1	- 5	...	...	...	48°51'9	+35°38'9	- 4	...	...
...	56°43'5	-2°31'8	0·85	...	...	...	51°76'2	+8°20'5	0·80	...	...	...	48°42'4	+31°77'2	- 5	M	...
...	-56°38'2	-20°62'5	- 2	E	...	...	-51°74'0	+31°74'7	- 3	...	...	...	-48°37'6	+55°37'1	- 3	...	...
...	55°77'8	+33°70'3	- 3	...	...	...	51°62'3	+45°49'2	- 5	...	...	...	48°28'2	-50°51'2	- 4	E	...
...	55°73'3	-55°89'6	- 5	E	...	...	51°61'2	-59°45'7	- 5	E	...	...	48°16'4	+12°11'4	- 4	...	...
...	55°70'5	+27°43'5	- 5	...	...	...	51°33'3	-21°61'8	0·65	...	...	...	48°13'9	-3°68'9	- 5	E	...
...	55°54'3	-14°08'5	- 5	E	51°07'7	+32°18'5	- 4	48°03'1	+38°39'4	- 4	

L measured from 1, 166, 337, 516, 670, 798.
MC " " 72, 246, 428, 590, 736, 882.

18^h 55^m

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-47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		
91-150										151-210									
91	-47°992	-8°631	-4	°E	...	151	-41°232	-47°023	-5	°M	...	211	-34°643	+34°093	-5	°	...		
*	47°710	+15°778	0°85	...	...	...	41°181	+4°706	-4	...	...	...	34°486	-56°301	-5	M	...
*	47°494	+28°758	1°00	46.9544	10°0	S *	41°152	-31°689	-3	M	...	...	34°280	-47°233	0°70	...	...
...	47°332	-22°911	-4	E	...	...	41°036	+37°100	1°70	46.9551	9°0	...	34°218	+37°468	-4	...	...
...	47°278	-7°585	-5	E	...	...	41°020	-11°807	-5	M	...	...	34°131	-48°597	0°70	...	...
...	-47°260	+2°545	-5	M	...	...	-40°931	+18°319	-4	...	...	...	-34°120	-44°885	0°65	...	...
*	47°072	+7°656	1°70	46.9543	8°8	...	40°883	+58°557	-4	...	...	...	34°056	+14°344	-2	...	...
...	47°005	-10°865	-5	E	...	...	40°724	+21°941	0°70	...	...	...	33°963	-12°820	0°95	...	...
...	46°933	+13°849	-3	...	...	...	40°625	-33°323	-4	M	...	...	33°833	+44°075	-1	...	...
...	46°570	-20°834	-1	...	...	...	40°592	-9°049	-4	M	...	...	33°652	-53°514	-4	...	...
101	-46°295	-51°017	-2	...	...	161	-40°547	-29°404	-1	...	...	221	-33°445	-26°387	-5	M	...
...	46°062	+14°446	-5	M	...	...	40°493	+50°305	-5	...	...	...	33°352	-50°209	-5	M	...
...	45°920	-36°591	-5	E	...	...	40°424	+28°228	-4	...	...	...	33°288	+39°992	-2	...	...
...	45°861	-10°291	-4	M	...	...	40°358	+50°435	-2	...	...	...	* 33°106	+0°488	0°95	...	...
...	45°817	+12°836	-4	...	...	...	40°187	-18°870	-4	M	...	...	32°693	-18°500	-5	M	...
...	45°744	-36°829	-5	E	...	...	-39°993	-21°578	-5	M	...	...	-32°491	-24°764	-5	M	...
...	45°714	-49°886	-5	E	...	...	39°918	+3°172	-4	...	...	...	32°258	+14°548	-3	...	...
...	45°629	-10°578	-4	E	...	...	39°664	-13°089	-2	...	...	...	32°112	+2°522	-5	...	...
...	45°621	-44°270	-1	...	...	...	39°501	-45°202	-5	M	...	...	32°068	+50°599	-4	M	...
...	45°470	+7°570	-4	...	...	*	39°486	-45°388	1°00	47.9114	10°4	...	31°995	+14°982	-4	...	...
111	-45°359	+26°670	-4	...	...	171	-39°430	-46°942	1°00	47.9113	10°2	231	-31°899	-42°992	-5	M	...
...	45°335	-4°725	-2	...	...	...	39°372	+30°402	-4	M	...	...	31°825	-57°848	-5	M	...
*	45°275	-34°864	1°00	47.9111	10°2	†	39°286	-14°848	-2	...	...	...	31°789	-9°712	-5	...	...
...	45°256	-47°654	-2	...	...	*	39°253	+54°023	1°05	46.9552	10°4	*	31°604	-27°993	1°30	47.9117	9°3
...	45°251	+7°979	-4	...	...	*	39°247	-15°036	0°90	47.9115	10°4	...	31°565	-51°951	-4	M	...
...	-44°918	-6°076	-4	E	...	...	-38°886	+35°921	-2	...	...	...	-31°499	+8°397	1°05	46.9557	9°7
*	44°903	+32°393	1°20	46.9545	9°9	*	38°830	-35°113	1°00	47.9116	10°4	...	31°315	-18°725	-5	M	...		
...	44°873	-31°384	-3	...	...	...	38°711	-33°327	0°70	...	...	...	31°290	-14°215	-3	...	...
...	44°633	-33°536	-5	E	...	...	38°437	+6°416	-4	...	...	...	31°064	+44°620	0°80	...	...
†	44°590	+25°074	-5	...	...	*	38°313	+1°814	1°00	46.9553	10°4	...	30°806	+58°473	1°00	...	...
121	*	-44°397	+19°889	0°95	46.9546	10°3	...	-38°171	+10°863	-4	241	-30°373	-39°700	-3	
...	44°366	+53°457	-1	...	...	*	38°155	+12°908	1°00	46.9554	10°4	...	30°287	-18°046	-4	...	...
...	44°326	-31°027	-4	E	...	...	38°097	+40°471	-3	...	...	...	30°195	+1°753	-5	...	...
*	44°256	+9°550	1°10	46.9547	9°8	...	38°068	-41°039	-5	M	...	...	30°159	+44°281	0°85	...	...
...	44°135	+24°960	-2	...	...	...	38°034	+34°766	-5	...	...	...	30°126	-17°272	0°75	...	...
...	-44°049	+46°995	-5	M	...	...	-38°009	-41°255	-3	M	...	...	-30°007	-23°271	-3	...	...
*	43°988	+22°981	-2	...	...	*	37°698	+38°304	1°00	...	...	...	29°972	+54°324	-5	...	...
*	43°924	+32°443	1°10	46.9548	9°8	...	37°697	+24°177	-2	...	...	*	29°775	-43°303	0°90	47.9118	10°3
...	43°806	+5°810	-5	...	...	...	37°574	+6°542	0°90	...	...	...	29°759	+41°831	-4	M	...
...	43°635	-29°702	-2	...	...	...	37°481	+29°082	0°75	...	...	*	29°613	-42°969	0°95	47.9119	10°2
131	*	-43°445	-8°335	1°00	47.9112	10°0	...	-37°423	+30°963	0°85	251	-29°592	+23°213	1°00	46.9558	9°9	
...	43°436	-58°403	-2	...	...	...	37°351	+19°872	-4	M	...	...	29°548	+12°049	-2	...	...
...	43°044	-17°136	0°65	...	...	...	37°303	-42°823	0°90	...	...	...	29°392	+55°401	-5	M	...
*	42°985	+2°420	-4	...	...	...	36°935	+39°215	-5	M	...	...	29°246	+48°609	-5	M	...
...	42°980	-28°610	0°65	...	...	...	36°839	+20°464	-5	...	...	...	29°228	-43°220	-1	...	...
...	-42°939	-26°053	-5	E	...	...	-36°691	+31°216	-3	...	...	...	-29°212	+40°280	-3	...	...
...	42°618	+10°389	-4	M	...	...	36°478	-41°141	0°80	...	...	...	29°169	-39°988	-5	M	...
...	42°443	-26°611	-2	...	...	...	36°424	+25°661	0°70	...	...	*	28°997	+13°088	1°40	46.9559	9°2
...	42°379	+15°979	-3	...	...	...	36°224	-33°300	0°70	...	...	...	28°981	-23°847	-5	M	...
...	42°323	+3°972	-4	...	...	*	36°018	+1°784	1°00	46.9555	10°3	...	28°913	+34°726	-2	...	...
141	*	-42°245	-53°150	-2	...	...	-35°923	-52°721	-1	...	...	261	-28°880	-38°535	-4	M	...
...	42°214	+45°286	-1	...	...	...	35°831	-21°352	0°65	...	...	...	28°842	-27°463	-4	M	...
...	42°181	-35°301	-4	E	...	...	35°517	+6°283	-5	...	...	...	28°698	+44°780	-1	...	...
...	42°154	-20°466	-5	M	...	...	35°346	+19°230	-5	...	...	...	28°565	-19°568	-5	M	...
...	42°104	+52°603	-5	M	...	...	35°162	+16°574	-5	...	...	...	28°521	+21°067	-2	...	...
...	-41°936	+10°336	-4	...	...	*	-35°116	-27°361	-1	...	...	...	-28°450	+1°975	-3	...	...
...	41°865	+29°563	-2	...	...	*	34°877	+39°485	1°00	46.9556	10°4	...	28°388	-50°499	-2	...	...
...	41°861	-20°239	-2	...	...	...	34°785	+27°249	-2	...	...	...	27°925	+49°864	-4	...	...
*	41°784	+36°393	0°90	46.9549	10°4	...	34°746	+7°318	-5	...	...	...	27°795	-8°625	-5	M	...
...	41°743	+2°727	-3	...	...	...	34°734	+8°727	0°80	...	...	...	27°780	-22°531	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.	
271-330																		
271	-27°653	+14°263	-3	o	...	331*	-20°636	-12°493	-3	o	...	391	-13°657	-31°408	-5	o M	...	
...	27°563	+35°829	-5	M	...	...	20°508	-8°297	-3	M	...	...	13°551	+50°395	-3	...	...
...	27°555	-30°026	-5	M	...	†	20°456	+25°054	-2	...	...	...	13°513	-46°610	0°75	...	...
...	27°546	+12°600	-2	...	...	...	20°305	-51°949	-4	M	...	...	13°492	-17°245	0°75	...	...
*	27°509	+10°549	0°80	46.9560	10°3	...	20°239	+39°266	-5	M	...	*	13°483	-0°571	1°05	47.9136	10°0	
*	-27°470	-48°838	0°90	47.9120	10°4	†	-20°184	-32°535	-5	...	...	...	-13°475	+12°797	-5	...	...
S *	27°172	-27°991	3°00	47.9121	8°0	†	20°101	-30°320	-4	...	...	...	13°346	+22°914	-3	...	...
...	27°156	-43°860	-4	M	...	*	20°013	+26°241	1°00	46.9564	9°9	...	13°118	-11°664	-4	...	...
...	27°050	-37°404	-4	M	...	...	19°679	-19°888	-2	...	...	...	13°039	+56°966	-5	...	...
...	26°946	-52°958	-1	...	...	...	19°428	-48°917	-5	M	...	...	13°012	+54°409	-1	...	...
281	-26°755	+11°788	-1	341	-19°361	-47°640	1°00	47.9130	9°8	...	401	-12°878	+3°272	-5
...	26°724	+4°221	-3	...	...	...	19°220	+32°660	0°75	...	...	...	12°618	+9°442	-5	...	...
...	26°653	+38°785	-1	...	...	...	19°209	-51°569	-2	...	...	...	12°576	+46°772	-5	M	...
*	26°506	-19°996	0°95	47.9122	10°4	...	19°192	+30°608	-5	...	...	...	12°556	+42°301	-4	...	...
...	26°071	-38°980	0°75	...	...	...	19°139	-58°876	-5	M	...	...	12°355	+20°539	-4	...	...
...	-25°930	+52°037	-4	...	...	...	-18°967	-2°670	-4	M	...	...	-12°344	+31°700	0°85	...	...
...	25°759	+43°076	-5	M	...	*	18°966	+2°443	1°00	46.9566	10°4	...	12°331	+29°022	0°90	...	...
...	25°752	-6°509	-5	M	...	...	18°947	+37°338	-5	...	...	...	12°302	-9°458	-3	...	...
...	25°746	+5°607	-1	...	...	...	18°934	-7°098	-4	...	...	...	12°266	+19°105	-4	...	...
...	25°731	-43°400	-4	M	...	*	18°892	-25°210	1°00	47.9131	10°2	...	12°172	-44°572	-5	M	...	
291	-25°531	-28°119	-4	M	...	351	-18°845	-2°774	1°00	47.9133	10°0	...	411	-12°148	-22°371	-4
...	25°453	+50°253	-5	...	...	*	18°831	-19°585	1°50	47.9132	9°2	*	12°115	+38°398	1°50	46.9569	9°0
...	24°998	+33°598	-2	...	...	...	18°802	+3°390	-2	...	...	...	12°023	+49°331	-2	...	...
S †	24°980	+1°113	3°05	47.9123	7°9	...	18°665	-33°958	-5	M	...	...	11°980	+7°220	-3	...	...
...	24°964	+6°564	-5	...	...	...	18°355	-11°877	-2	...	...	*	11°805	+21°038	2°10	46.9570	8°6
...	-24°836	-16°010	-5	M	...	...	-17°991	-50°900	-5	M	...	...	-11°769	-22°668	-2	...	...
*	24°799	-13°539	0°90	47.9124	10°4	...	17°883	+22°958	-4	...	...	...	11°698	+42°891	-5	...	...
...	24°696	-6°855	-5	M	...	...	17°831	+19°211	0°80	...	...	...	11°366	-6°699	-5	...	...
...	24°601	+31°698	-3	...	...	...	17°760	-9°315	-4	M	...	...	11°256	+23°786	-2	...	...
...	24°133	-28°572	-5	M	...	*	17°729	+50°246	1°00	46.9567	10°2	...	11°222	+45°806	-5	M	...	
301	*	-24°107	-35°891	0°75	361	-17°669	-34°460	-3	421	-11°176	+19°513	-2
...	24°079	-25°686	-4	...	...	...	17°621	-32°021	-5	M	...	...	11°153	-27°506	0°85	...	...
...	23°940	+27°665	-3	...	...	...	17°525	-4°094	0°70	...	...	...	10°796	-35°251	-2	...	...
...	23°929	+20°536	-5	...	...	...	17°406	-46°771	0°70	...	...	...	10°789	+50°946	-3	...	...
*	23°904	-4°487	1°30	47.9125	9°4	...	17°400	-26°627	-4	M	...	...	10°328	-8°334	-4	...	...
...	-23°400	+25°005	-5	M	...	*	-17°383	+41°571	0°90	...	...	...	-10°259	-32°713	-5	M	...
...	23°385	-34°195	-5	M	...	...	17°177	+24°527	-3	...	...	†	10°209	+6°862	-2	...	...
*	23°362	-28°563	0°90	47.9126	10°4	*	17°142	+27°331	1°00	46.9568	10°0	...	10°064	-39°126	-5	M	...	
...	23°222	+43°425	-5	M	...	...	17°054	+58°411	0°95	...	...	...	10°015	+34°285	-2	...	...
*	23°020	-52°789	1°00	47.9127	9°9	...	17°003	-25°833	0°75	...	...	...	10°014	-22°771	-1	...	...
311	...	-22°969	-46°292	-4	M	...	371	-16°926	+2°090	0°70	431	-9°964	-28°680	-2
*	22°863	+12°254	1°80	46.9561	8°7	*	16°911	-10°911	3°60	47.9134	7°8	*	9°933	-42°678	0°85	47.9137	10°3	
...	22°836	-39°887	-2	...	...	...	16°773	+13°028	0°95	...	...	...	9°868	+26°341	-3	...	...
...	22°725	-29°580	-3	...	...	...	16°636	-59°634	-4	M	...	...	9°708	-18°049	-5	M	...
*	22°594	+3°437	1°40	46.9562	9°4	...	16°592	+56°829	0°95	...	...	*	9°449	-42°109	1°00	47.9138	9°8
...	-22°540	-49°932	-4	M	...	...	16°564	+28°727	0°75	...	...	...	9°441	-34°879	-5	M	...
...	22°472	-26°301	-5	M	...	...	16°455	+53°570	-5	...	...	...	9°372	-42°016	-2	...	...
...	22°084	-7°962	0°75	...	...	...	16°421	-0°983	0°70	...	...	*	9°361	+28°530	1°00	46.9571	9°8
...	21°953	-55°938	-5	M	...	*	16°198	-10°055	1°00	47.9135	9°9	...	9°345	+57°423	-3	...	...
*	21°945	+29°280	0°95	46.9563	10°0	...	16°167	-7°257	-5	M	...	...	9°325	-25°112	-4	...	...
321	...	-21°705	+8°289	-3	381	-16°112	+31°324	-4	441	-9°283	+19°412	-4
...	21°547	-24°336	-3	...	...	...	15°737	-16°569	-5	M	...	...	9°180	-37°379	-2	...	...
*	21°114	-15°949	1°30	47.9129	9°2	...	15°652	-5°137	-4	M	...	...	9°095	+48°309	0°75	...	...
...	21°036	-30°448	-2	...	...	...	15°557	+47°772	-2	...	...	...	9°083	-22°048	-4	m	...
...	21°035	-44°445	-4	M	...	...	15°277	-15°353	-5	M	...	*	8°978	-6°332	1°40	47.9139	9°3
...	-21°031	+9°421	-1	...	...	†	-15°118	-50°689	-5	M	...	...	-8°956	+51°379	1°40	47.9139	9°3
...	20°982	-55°106	-3	...	...	*	14°468	+33°313	0°95	...	...	...	8°416	-54°207	-3	...	...
*	20°980	-35°066	1°00	47.9128	9°9	*	14°318	+25°955	1°00	...	...	...	8°281	+27°392	-4	m	...
*	20°734	-56°163	0°90	...	...	...	14°211	-33°831	-4	...	...	...	8°231	+59°112	-5	...	...
...	20°719	+47°101	-3	...	...	...	14°027	+16°522	-5	...	...	...	8°181	+11°263	-3	...	...

Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
451-510																				
451	- 8·121	- 27·772	- 4	511	- 0·577	+ 26·207	- 4	571	*	+ 7·702	+ 55·069	1·05	46·9585	10·2		
...	7·769	+ 28·839	- 4	...	...	...	* 0·542	- 48·889	1·00	47·9143	10·4	...	7·757	+ 45·553	- 2	...	...	
...	7·233	+ 19·427	- 4	...	...	...	* 0·491	- 55·718	1·00	47·9142	10·0	...	7·772	+ 13·746	0·95	46·9584	10·4
...	7·167	+ 31·081	- 4	m	...	...	* 0·353	- 22·167	0·90	47·9144	10·2	...	7·830	+ 40·352	- 4	...	...	
...	7·161	+ 22·060	- 4	...	...	...	0·284	+ 25·233	- 5	m	...	...	7·992	- 39·036	0·90	...	...	
...	- 7·068	+ 49·117	- 5	m	...	...	- 0·133	+ 15·974	- 5	...	...	...	+ 8·031	- 47·655	0·70	...	...	
...	7·050	+ 28·666	- 1	...	...	...	+ 0·109	- 35·169	0·75	...	...	...	8·075	+ 12·929	- 4	...	...	
...	7·034	+ 24·502	- 4	m	...	...	0·114	- 52·078	0·90	...	...	...	8·323	- 48·352	0·75	...	...	
...	6·590	- 52·096	- 3	...	...	...	0·231	+ 44·199	- 5	...	...	...	8·344	+ 48·431	0·90	...	...	
...	6·541	+ 49·278	- 5	m	...	...	0·346	+ 43·496	- 4	...	...	...	8·466	- 23·335	- 5	M	...
461	- 6·501	- 12·315	- 3	521	*	+ 0·354	+ 59·203	1·05	46·9580	10·4	581	*	+ 8·577	- 35·789	0·65	
...	6·401	- 40·972	- 3	...	...	...	0·513	+ 31·813	0·90	...	...	...	8·805	- 0·844	1·00	47·9148	10·4
...	6·280	- 50·925	- 1	...	...	N	0·524	+ 31·325	- 1	m	...	...	8·988	+ 50·610	1·00	46·9586	10·4
...	6·055	+ 21·591	0·80	46·9573	10·4	S *	0·642	- 57·091	2·05	47·9145	8·4	...	9·062	+ 37·474	0·90	...	...	
...	5·992	- 54·242	- 5	M m	...	...	0·686	- 7·663	- 5	...	...	...	9·189	- 32·077	0·65	...	...	
...	5·911	- 45·255	- 3	M	...	*	+ 0·947	+ 54·858	1·20	46·9581	9·4	...	+ 9·407	+ 55·692	- 5	...	...	
...	5·651	- 17·168	- 2	...	...	...	1·065	+ 13·389	- 5	m	...	...	9·510	- 13·430	- 4	...	...	
...	5·608	- 11·688	- 5	M m	...	...	1·381	- 30·265	- 4	M	...	...	9·518	- 54·884	- 5	M m	...
...	5·470	- 40·188	- 5	M m	...	...	1·550	+ 53·371	- 5	...	...	...	9·641	+ 36·492	0·70	...	...	
...	5·363	+ 2·053	0·90	46·9574	10·3	...	1·571	- 58·935	- 5	M m	...	...	9·821	- 38·894	- 5	m	...	
471	- 5·300	+ 37·459	- 5	m	...	531	*	+ 1·670	+ 47·755	- 5	591	*	+ 9·822	+ 29·541	- 1	
*	5·275	+ 38·543	0·95	46·9575	10·0	...	1·695	- 46·623	- 5	M m	...	...	10·051	- 12·847	- 3	...	...	
...	5·064	- 50·237	- 5	M m	...	...	1·759	- 54·847	- 5	M m	...	...	10·262	+ 11·517	- 2	...	...	
...	4·855	+ 33·082	- 3	...	...	...	1·767	+ 55·622	- 5	m	...	...	10·336	- 43·832	- 5	m	...
...	4·637	- 20·718	- 5	...	...	...	1·835	+ 16·721	- 5	...	...	...	10·375	- 39·421	- 3	...	...	
...	4·546	- 35·609	- 5	M m	...	*	+ 1·938	+ 15·332	- 5	m	...	...	+ 10·411	+ 52·095	- 4	m	...	
...	4·538	+ 38·267	- 4	...	...	...	1·944	+ 37·511	- 5	m	...	...	10·538	- 55·490	- 4	...	...	
...	4·532	+ 6·626	- 2	...	...	S *	2·033	+ 39·025	2·15	46·9582	8·7	...	10·691	+ 59·521	- 5	...	...	
...	4·419	- 22·911	- 5	M m	...	...	2·054	+ 28·639	- 2	...	...	...	10·789	+ 35·955	- 4	...	...	
...	4·391	- 9·368	0·65	...	...	*	2·082	- 37·239	1·00	47·9146	10·2	...	10·988	+ 57·850	- 4	...	...	
481	- 4·251	+ 45·996	- 5	M m	...	541	*	+ 2·187	- 32·959	- 3	601	*	+ 11·095	- 21·821	- 2	
...	4·204	- 12·330	- 4	m	...	...	2·532	+ 45·434	0·90	...	...	...	11·776	- 55·463	- 5	...	...	
+	4·186	+ 45·044	1·20	46·9576	9·5	...	2·809	- 35·502	- 4	...	...	...	11·796	+ 4·877	- 5	m	...
...	4·169	+ 30·841	- 4	...	...	...	3·172	- 1·884	- 5	M m	...	...	11·859	+ 36·151	- 5	m	...
...	4·064	+ 29·099	- 3	...	...	...	4·049	- 4·931	- 5	M	...	...	11·898	+ 3·364	- 4	...	...	
...	3·216	+ 4·219	- 2	...	...	*	+ 4·340	- 14·466	- 4	...	...	...	+ 11·941	- 57·759	- 1	...	...	
...	3·093	- 27·101	- 2	...	...	...	4·703	+ 24·564	0·70	...	...	...	12·193	+ 12·272	- 5	...	...	
...	3·052	- 52·087	- 5	M m	...	...	5·270	+ 7·567	- 5	...	...	...	12·450	- 41·964	- 3	...	...	
...	2·918	+ 14·681	0·80	...	...	...	5·437	- 9·670	- 4	...	...	...	12·498	- 49·530	- 5	m	...
*	2·656	+ 47·756	1·00	46·9577	10·4	...	5·608	- 3·034	- 4	M	...	...	12·533	- 17·702	- 3	...	...	
491	*	- 2·570	- 46·818	1·20	47·9140	10·0	551	*	+ 5·625	+ 29·918	- 5	611	*	+ 12·564	- 54·082	0·80
...	2·457	+ 35·500	- 4	...	...	...	5·726	- 12·436	- 4	...	...	...	12·835	+ 50·217	- 5	m	...
...	2·188	+ 28·034	- 3	...	...	...	5·812	+ 24·458	- 5	m	...	...	12·845	+ 20·383	- 1	...	...	
...	2·079	+ 29·442	- 4	...	...	...	5·834	- 4·571	1·00	...	...	*	12·990	- 8·864	1·70	47·9149	8·9
...	1·936	- 28·679	0·85	47·9141	10·4	...	5·860	+ 30·408	0·70	...	...	...	13·064	- 49·465	- 1	...	...	
...	1·918	- 30·243	- 3	...	...	*	+ 6·112	- 22·570	0·70	...	...	...	+ 13·071	+ 54·226	- 2	...	...	
S *	1·911	+ 12·539	2·20	46·9578	8·6	...	6·196	- 51·146	- 5	M m	...	...	13·420	- 40·360	- 3	...	...	
...	1·794	- 4·767	- 3	...	...	...	6·422	- 0·190	- 5	M m	...	...	13·525	- 47·389	- 5	m	...
...	1·777	+ 37·717	- 5	m	...	...	6·564	+ 27·555	- 2	...	...	...	13·572	+ 11·727	- 5	m	...
...	1·536	+ 43·548	- 2	...	...	...	6·647	- 54·052	- 2	...	...	...	13·652	+ 4·179	- 3	...	...	
501	- 1·471	+ 9·154	- 5	M m	...	561	*	+ 6·664	+ 40·839	- 5	m	...	621	*	+ 13·739	- 32·271	- 3	
...	1·434	- 39·123	- 5	M m	...	...	6·694	- 26·098	0·70	...	...	...	13·811	+ 47·094	- 4	...	...	
...	1·398	- 37·408	- 1	...	...	...	6·711	- 31·004	0·65	...	...	...	14·025	+ 33·742	- 1	...	...	
...	1·378	+ 42·380	- 5	M m	...	...	6·837	- 47·738	0·90	...	...	...	14·182	+ 35·913	- 4	m	...
...	1·020	- 25·278	- 4	M	...	...	6·861	- 52·970	- 5	M m	...	...	14·308	+ 8·086	- 2	...	...	
...	0·993	+ 39·005	- 4	m	...	*	+ 6·908	- 31·688	0·65	...	...	...	+ 14·625	- 8·310	- 4	...	...	
*	0·973	+ 21·805	0·85	46·9579	10·4	...	6·998	- 21·906	- 5	...	...	...	14·650	- 54·795	- 1	...	...	
...	0·962	+ 51·200	- 3	...	...	*	7·048	+ 10·377	2·00	46·9583	8·8	*	14·671	+ 58·509	0·95	46·9587	10·3	
...	0·914	- 17·090	- 2	...	...	...	7·317	+ 22·376	1·00	...	...	...	14·702	- 56·563	- 4	...	...	
...	0·580	+ 4·168	- 3	...	...	S *	7·448	- 11·470	4·00	47·9147	7·4	...	14·832	- 39·378	- 4	...	...	

523. Obscured by 2nd image of 522; 2nd image measured and corrected.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.	
631-690																		
631	+15·045	+18·384	3·60	46·9588	7·4	691	+23·414	-44·924	-4	°	m	751	+32·621	+24·281	1·00	46·9603	9·9	
S *	15·119	-32·622	0·90	47·9150	10·3	*	23·420	+17·540	-5	...	...	...	32·824	+55·560	-3	...	...
...	15·182	-35·615	-4	m	...	S *	23·452	-41·804	1·95	47·9160	8·6	...	33·035	+34·075	-3	...	...
...	15·204	-29·412	-4	...	...	...	23·509	+48·587	-5	m	...	...	33·370	+7·816	-5	m	...
*	15·224	-19·089	1·00	47·9151	10·0	...	23·881	-36·889	0·90	...	...	...	33·473	-26·050	-5	m	...
...	+15·374	+12·748	-4	...	...	...	+23·893	-42·118	-2	...	...	...	+33·634	+40·914	-4	m	...
...	15·714	+4·978	-5	m	...	*	24·110	-33·573	1·00	47·9161	9·8	...	33·706	-34·863	0·75	...	...
*	15·792	-4·586	1·00	47·9152	10·3	...	24·227	+47·992	-4	...	...	...	33·900	-35·598	-5	m	...
*	15·851	+58·967	0·90	46·9589	10·3	...	24·258	-20·515	-5	...	...	*	33·953	-30·467	0·80	...	...
...	15·951	-45·322	-5	m	...	...	24·594	-53·519	-5	m	...	...	34·011	+47·488	-2	a	...
641	+15·996	-33·422	1·00	47·9153	10·0	701	+24·637	+34·283	0·85	...	...	...	+34·045	-9·055	-5	m	...
...	16·286	+23·970	-5	m	...	†	24·741	+16·029	-3	...	...	...	34·204	+12·060	-5	m	...
...	16·321	+19·469	-4	...	...	...	24·909	-31·958	-5	m	...	...	34·311	-57·383	-1	...	...
...	16·335	-41·516	-3	...	...	...	24·992	-55·040	0·95	...	...	...	34·551	-37·291	-1	...	...
*	16·385	+21·379	0·85	46·9590	10·3	...	25·064	-19·355	-4	...	...	†	34·712	-10·839	0·70	...	...
...	+16·596	-27·374	-1	...	...	...	+25·170	-32·534	-4	...	...	*	+34·846	+14·523	1·00	46·9604	9·7
*	16·605	+15·721	0·95	46·9591	10·0	...	25·303	+17·252	-5	...	...	*	35·589	+9·209	0·90	46·9607	10·4
...	16·706	+31·348	-5	m	...	...	25·402	-27·068	-1	...	...	*	35·687	-42·542	1·60	47·9165	9·0
*	16·775	-46·853	0·90	47·9154	10·3	...	25·494	-3·957	-3	...	...	*	35·704	+49·062	2·00	46·9605	8·8
*	16·799	+32·757	1·00	46·9592	9·8	...	25·643	+51·736	-1	...	...	*	35·706	+44·586	0·95	46·9606	10·4
651	+16·805	-15·416	1·00	47·9155	9·8	711	+25·955	-14·485	-3	...	...	...	+35·755	-38·219	-3	m	...
...	16·809	+39·510	-3	m	...	...	26·042	+13·293	-5	...	...	...	35·763	-59·533	-3	m	...
...	17·171	+15·860	-4	m	...	...	26·451	+4·189	0·90	...	...	...	35·925	-45·994	-2	...	...
...	17·652	+35·154	-4	m	...	*	26·544	+7·928	1·00	...	...	...	35·992	+50·357	-4	m	...
...	17·678	-13·233	-4	...	...	...	26·716	+16·305	-5	m	...	...	36·006	+1·958	-5	m	...
...	+17·788	+33·532	-4	m	...	*	+26·766	+46·616	1·30	46·9596	9·5	...	+36·085	-22·864	-4	m	...	
...	17·961	-17·340	-5	...	...	...	26·830	+4·559	-5	...	...	...	36·200	+20·857	-4	m	...
...	18·195	+38·911	-3	...	...	...	26·889	-8·671	-4	...	...	...	36·447	-23·749	0·80	47·9166	10·3
...	18·418	+25·654	-5	m	...	...	26·976	+18·216	0·70	...	...	...	36·493	-14·452	-4	m	...
...	18·583	-53·525	-2	...	...	*	27·047	+2·088	1·20	46·9598	9·7	...	36·774	+20·533	-4	m	...
661	+18·585	-38·981	-5	m	...	*	721	+27·176	+40·777	1·00	46·9597	10·3	...	+37·070	-22·635	-5	m	...
*	18·620	+7·497	1·00	46·9593	9·9	*	27·308	-54·287	1·20	47·9162	9·5	...	37·074	-15·393	-3	m	...	
...	18·662	-39·959	-4	m	...	...	27·924	-26·629	-3	...	...	...	37·510	+51·887	-3	...	...
*	18·664	-17·151	1·00	47·9156	10·0	...	28·081	-29·428	0·75	...	...	†	37·518	+35·065	0·90	46·9608	10·4
...	18·716	-49·565	0·70	...	...	...	28·190	-51·699	-3	...	...	...	37·678	-10·010	-4	m	...
...	+18·763	-21·362	-3	...	...	...	+28·426	-24·574	-3	...	...	...	+37·762	+47·423	-3	...	...
...	18·839	+39·950	-5	m	...	*	28·579	+27·782	1·00	46·9599	10·4	...	37·942	+28·102	-5	m	...	
...	19·462	+41·581	-2	...	...	*	28·662	+21·676	2·00	46·9600	8·9	...	38·078	-45·221	-2	...	...
...	19·470	+56·884	-3	...	...	*	28·735	+12·716	1·00	46·9601	10·4	...	38·476	-46·046	-4	m	...
...	19·952	-15·769	-1	...	...	†	28·736	-54·770	-4	m	...	...	38·563	-22·212	-1	...	...
671	+20·111	-56·461	0·90	731	+28·905	-35·035	-4	m	+38·621	-6·004	-5	m	...
...	20·114	-59·013	-5	m	...	...	28·985	-51·232	-5	m	...	†	38·633	+35·020	0·90	...	...
...	20·129	+38·252	-5	m	...	...	29·173	-4·123	0·80	...	...	*	38·663	+47·600	1·20	46·9609	9·6
*	20·149	+4·214	1·00	46·9594	10·0	...	29·407	-47·532	0·95	47·9163	10·4	...	38·831	+49·378	-3	...	...
...	20·368	+1·640	0·95	47·9157	10·4	...	29·411	-35·106	-4	m	...	...	39·104	-33·833	-4	m	...
...	+20·416	-48·940	-2	...	...	...	+29·797	+6·565	-5	m	...	...	+39·506	-45·951	-3	m	...
...	20·588	+19·351	-4	...	...	...	29·829	-16·965	-4	m	...	...	39·607	+40·827	-5	m	...
...	20·700	-46·635	-5	m	...	†	29·909	-59·667	-5	m	...	...	39·862	-16·930	0·70	...	...
*	20·893	-57·356	1·20	47·9158	9·8	...	30·632	-32·877	-4	m	...	...	39·974	-26·561	-4	m	...
...	20·898	+7·832	-5	m	...	...	30·653	-27·815	-4	m	...	...	40·066	-8·797	-5	m	...
681	+21·064	+29·581	0·70	741	+30·756	+24·202	-4	m	+40·172	+27·050	-5	m	...
...	21·444	+50·484	0·80	...	...	...	30·758	-45·237	-5	m	...	...	40·200	-53·648	-4	m	...
...	21·481	-17·091	-5	m	...	*	30·876	-9·473	0·90	47·9164	10·2	...	40·374	+25·702	-5	m	...	
...	21·714	+1·205	-1	...	...	...	30·920	+19·499	-5	m	...	*	40·629	-36·202	1·05	47·9167	9·8
...	22·198	+36·457	-5	m	...	...	31·070	-27·648	-5	m	...	...	40·733	-35·668	-5	m	...
*	+22·306	-43·608	1·00	47·9159	10·4	...	+31·375	+37·872	-3	...	...	...	+40·815	+7·315	0·90	...	...
*	22·467	+27·888	1·00	46·9595	10·0	...	31·720	+39·173	-5	m	...	...	41·070	-59·362	-5	m	...
...	22·531	+42·839	-5	m	...	*	31·919	-47·845	-5	m	...	...	41·199	-24·729	0·70	...	...
...	22·749	+54·696	-1	...	...	*	32·041	+32·775	0·90	46·9602	10·4	*	41·525	+1·293	1·00	47·9168	10·3
...	22·758	+18·168	-4	...	...	...	32·449	+40·159	-4	m	...	...	41·561	-21·905	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
811-870																	
811	+41·798	-23·781	-4	o	...	871	+48·471	-29·524	0·70	o	...	931	+57·033	-26·310	-4	o	...
...	41·827	+19·079	-4	...	...	...	48·879	-15·545	-2	...	...	...	57·096	+22·842	-5	e	...
...	41·925	-19·502	-5	m	...	...	48·899	-3·204	0·75	...	...	*	57·367	-25·055	0·95	47·9179	10·3
*	41·957	-15·121	0·95	...	...	...	49·012	+17·966	-4	...	...	...	57·737	-10·948	-3	...	...
...	42·119	-42·355	-5	m	...	...	49·202	+16·993	-4	...	...	...	57·807	-7·538	-4	e	...
...	+42·133	+40·336	-4	...	...	...	+49·323	-0·690	-5	e	...	*	+57·833	+0·017	1·00	47·9180	10·0
...	42·379	-47·702	-2	...	...	*	49·365	-32·461	1·00	47·9173	9·9	...	58·052	+40·613	1·60	46·9621	9·3
*	42·396	+44·724	1·20	46·9610	9·4	811	49·396	+20·734	0·65	...	...	...	58·080	-26·353	-5	e	...
...	42·513	-24·632	-5	e	...	S	49·519	-41·517	2·90	47·9174	7·6	...	58·226	-10·635	-2	...	...
S *	42·529	+53·626	2·05	46·9611	8·4	+	49·598	-23·615	-5	e	...	...	58·333	-54·803	-5	e	...
821	* +42·716	-4·051	1·00	47·9169	10·0	881	+49·608	+57·723	1·15	46·9616	9·7	941	+58·359	-3·125	-4	e	...
...	42·887	-34·735	-4	...	...	†	49·715	-19·100	-4	e	...	*	58·701	-30·389	1·10	47·9181	9·9
...	42·908	-5·312	-5	e	...	...	49·952	+0·521	-2	...	...	...	58·728	-2·920	-5	e	...
...	42·989	+16·866	-3	...	...	...	50·027	+17·584	-2	...	...	...	58·822	+18·247	-2	...	...
...	43·060	-14·302	-2	...	...	...	50·075	+13·973	-5	e	...	...	58·863	-36·347	-4	m	...
...	+43·210	-28·105	-4	e	...	...	+50·242	-14·720	-5	m	...	*	+58·934	+5·241	0·90	...	...
...	43·472	+24·729	0·75	...	...	...	50·349	-54·209	-1	...	...	...	58·952	-2·794	0·85	...	...
...	43·525	+8·779	-5	e	...	...	50·456	-41·966	-5	m	...	*	59·214	-1·348	1·00	47·9182	10·4
...	43·611	-41·859	-3	...	...	...	50·568	+11·021	-4	...	...	...	59·527	+14·233	0·75	...	...
...	43·615	+1·273	0·85	...	...	...	50·787	+22·455	-4	e	...	S	59·573	-11·548	1·40	47·9183	9·3
831	+43·721	+15·677	-5	e	...	891	+50·913	-2·207	-3	...	...	...		
...	43·725	+27·453	0·70	...	...	*	51·058	+16·320	1·00	46·9617	9·8	...					
...	44·037	+17·100	-1	...	...	...	51·209	+40·274	-3	e	...	...			
*	44·201	-50·354	1·10	47·9170	9·8	*	51·441	+3·287	1·00	46·9618	9·7	...					
...	44·523	-8·580	-4	...	...	...	51·455	-15·390	-2	...	...	...		
...	+44·791	-5·575	-5	e	...	...	+51·569	-10·083	0·75	...	...	...		
...	45·438	-10·798	-5	e	...	...	51·575	-36·620	0·85	...	...	...		
†	45·651	-4·937	-5	e	...	...	51·619	-6·249	-3	...	...	...		
...	45·675	+53·363	-5	...	...	...	51·824	+50·731	-4	e	...	...			
...	45·955	-5·867	-5	e	...	...	51·846	-46·606	-4	e	...	...			
841	+45·958	-44·709	-4	...	...	901	+52·167	-36·513	-4	e	...	...			
...	46·044	+15·837	-4	m	...	...	52·230	+17·866	-3	...	...	...		
...	46·273	+25·661	-5	e	...	...	52·311	-38·250	-2	...	...	...		
...	46·358	-29·388	0·65	...	...	...	52·387	+30·426	-1	...	...	...		
...	46·380	+36·137	-5	e	...	...	52·417	+11·585	-3	...	...	...		
*	+46·434	+23·793	1·00	46·9613	10·0	...	+52·444	-2·086	-5	e	...	...			
...	46·496	-25·374	-5	m	...	...	52·449	+0·315	-3	...	...	...		
*	46·595	-3·554	1·00	47·9171	10·4	...	53·071	+23·071	-3	...	...	...		
*	46·627	-59·023	1·10	48·10048	10·6	...	53·126	-11·963	-4	e	...	...			
...	46·634	-17·274	-4	...	...	911	53·466	-26·680	0·95	47·9175	10·3	...					
851	+46·643	+7·657	0·75	...	...	...	+53·495	+17·465	-3	...	...	...		
...	46·747	+7·061	0·70	...	...	...	53·500	+6·988	0·65	...	...	...		
...	46·805	+23·230	-2	...	...	...	53·824	+53·573	-1	46·9619	10·4	...					
*	46·897	-24·192	1·00	...	...	...	53·980	+42·885	-3	...	...	...		
...	47·160	-21·542	-4	...	...	...	54·054	+7·386	-5	e	...	...			
...	+47·243	-9·585	-5	m	...	...	+54·431	+1·875	-3	e	...	...			
*	47·504	+18·185	1·00	...	...	†	54·625	-13·457	-1	...	...	...		
...	47·576	+23·424	-5	e	...	‡	54·683	-37·618	1·00	47·9176	10·4	...					
...	47·600	+37·241	-2	...	...	...	54·997	-5·815	-4	e	...	...			
*	47·642	+51·392	1·15	46·9614	9·8	...	55·200	-40·566	-4	e	...	...			
861	* +47·669	-40·336	1·60	47·9172	9·2	921	+55·426	-23·537	-5	e	...	...			
...	47·874	+38·593	-5	e	...	*	55·759	+43·268	1·40	46·9620	9·4	...					
*	48·091	+52·327	2·00	46·9615	8·0	...	56·146	-23·432	-5	m	...	...			
...	48·117	-11·845	0·70	...	...	...	56·556	+20·346	-2	...	...	...		
...	48·122	+49·578	-5	e	...	...	56·575	+23·571	-4	...	...	...		
†	+48·122	-54·764	1·00	...	...	*	+56·621	-12·297	0·90	47·9178	10·0	...					
...	48·178	+4·167	-3	...	...	*	56·714	-2·777	0·90	47·9177	10·4	...					
...	48·272	+19·324	-4	...	...	...	56·759	+24·556	-2	...	...	...		
...	48·412	-6·737	-4	...	...	...	56·830	+16·742	-4	e	...	...			
...	48·451	+31·373	-1	...	...	...	56·891	-33·068	-5	e	...	...			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
1-60																		
I	-59°891	-15°416	0°90	o	...	61	-52°706	+13°917	-5	°E	...	121	-44°168	-24°864	0°90	47.9179	10°3	
†	59°877	+16°585	-4	...	...	...	52°460	-54°824	1°00	...	...	...	44°106	+18°471	-3	...	...
...	59°781	-24°075	-4	...	...	...	52°409	+40°238	-5	E	...	...	43°887	-2°904	-4	E	...
...	59°754	-0°147	-5	M	...	...	52°388	+0°473	0°65	...	...	...	43°824	+6°447	-5	M	...
...	59°657	+24°451	-2	...	...	...	52°256	+22°417	-3	E	...	...	43°772	-10°420	-2	...	...
*	59°488	+27°185	-3	...	...	...	-52°124	+50°706	-5	E	...	...	-43°572	+5°474	0°75	...	...
*	59°487	-4°325	1°00	47.9169	10°0	...	52°122	+10°987	-3	...	...	...	43°528	-2°684	-5	E	...
...	59°259	-5°576	-5	E	...	...	52°023	-19°155	-4	E	...	...	43°462	-45°978	-5	M	...
...	59°105	+15°419	-5	E	...	...	51°973	-23°655	-4	E	...	...	43°417	-26°139	-5	E	...
...	59°089	+8°517	-4	E	...	*	51°939	-32°516	1°05	47.9173	9°9	...	43°299	-2°556	0°65	...	...
II	-59°042	-24°906	-5	E	...	71	-51°788	+16°297	1°10	46.9617	9°8	...	-43°272	+14°481	-1	...	...
...	58°848	+16°855	-3	...	...	S *	51°466	-41°549	3°00	47.9174	7°6	*	43°087	-1°103	0°90	47.9182	10°4
...	58°809	-14°564	-3	...	...	...	51°354	-2°235	-2	...	...	...	42°975	+14°968	-5	M	...
*	58°764	+1°020	0°95	...	...	*	50°984	+3°279	1°05	46.9618	9°7	S *	42°940	+29°439	1°50	46.9622	9°2
...	58°437	-47°973	-4	...	...	...	50°919	+30°435	0°75	...	...	...	42°670	-30°140	1°00	47.9181	9°9
...	58°358	+53°148	-5	...	...	...	-50°675	+17°879	-2	...	...	...	-42°637	-26°103	-4	M	...
...	58°354	-34°986	-4	...	...	...	50°519	-6°244	-3	...	...	...	42°587	+41°425	0°85	...	...
...	58°230	-28°362	-5	E	...	*	50°450	-10°075	0°95	...	...	S *	42°388	-11°281	1°43	47.9183	9°3
...	58°140	+19°834	-5	M	...	...	50°384	-15°385	0°65	...	...	...	42°250	-54°614	-5	E	...
...	57°531	-8°792	-4	...	...	...	50°285	+11°601	-3	...	...	...	42°059	+14°910	-3	...	...
21	-57°386	-42°086	-4	...	...	81	-50°266	-0°934	-5	M	...	...	-41°801	+4°180	-4	M	...
...	57°362	-5°783	-5	E	...	...	50°246	-54°216	-1	...	...	...	41°777	-4°919	-3	...	...
...	57°097	+35°946	-5	E	...	...	50°214	+53°615	1°00	46.9619	10°4	...	41°674	+11°520	-4	...	...
...	56°890	+25°479	-5	E	...	†	50°006	+23°118	-4	...	...	*	41°666	+35°959	1°00	46.9623	9°6
*	56°653	+23°615	1°00	46.9613	10°0	...	49°895	+0°354	-3	...	...	...	41°585	-50°853	-5	M	...
...	56°550	-10°992	-5	E	...	...	-49°839	-2°056	-5	E	...	...	-41°445	+47°298	-2	...	...
*	56°520	-50°560	1°30	47.9170	9°8	...	49°742	+42°937	-3	...	...	...	41°270	-5°986	-4	M	...
...	56°519	-5°130	-5	E	...	...	49°598	-36°608	-1	...	...	...	41°259	+13°667	-2	...	...
*	56°328	+51°240	1°30	46.9614	9°8	...	49°402	+17°518	-3	...	...	...	41°248	+38°346	-4	M	...
...	56°269	+23°066	-2	...	...	...	49°048	+7°050	0°65	...	...	...	41°011	+2°254	-2	...	...
31	-56°199	-6°032	-5	E	...	91	-49°006	-36°479	-4	E	151	-40°724	-14°069	-5	M	...
...	55°928	+7°496	0°85	49°001	-46°572	-4	E	40°659	-28°644	-2
...	55°924	+37°088	-2	48°820	-11°910	-4	E	40°604	-41°098	-5	M	...
*	55°894	+52°186	2°00	46.9615	8°0	...	48°797	-38°209	-2	40°502	+43°865	-3
...	55°811	+6°903	0°75	48°517	+7°460	-5	E	40°282	+13°501	-4	M	...
...	55°799	+49°437	-5	E	...	*	-48°015	-26°606	0°95	47.9175	10°3	...	-40°232	-3°598	-5	M	...	
...	55°695	+38°445	-5	E	47°960	+1°974	-3	E	40°065	-1°651	-3
*	55°624	-3°716	1°00	47.9171	10°4	*	47°950	+43°376	1°20	46.9620	9°4	†	39°942	+10°891	0°80	...	...
...	55°492	+23°284	-5	E	...	...	47°269	-13°350	0°65	...	...	...	39°906	+28°824	-4	M	...
...	55°412	+18°040	1°00	...	...	...	47°149	-5°697	-4	E	...	...	39°549	-7°560	-4	M	...
41	-55°146	-17°415	-4	101	-46°808	+8°250	-5	M	161	-39°541	+30°322	-3
†	55°039	-29°533	-2	...	...	...	46°527	+23°731	-4	...	...	...	39°495	-52°547	-2	...	...
†	54°890	+31°246	-1	...	...	*	46°457	-37°503	0°90	47.9176	10°4	...	39°448	+8°903	0°85	...	...
...	54°683	+19°203	-3	...	...	...	46°436	+20°495	-2	...	...	...	39°416	-56°305	-5	M	...
...	54°664	-24°322	0°85	...	...	...	46°357	+24°717	-2	...	...	...	39°207	-54°541	-3	...	...
*	54°565	+57°652	1°25	46.9616	9°7	...	-46°148	-23°385	-5	E	...	...	-39°169	-40°470	-5	M	...
...	54°483	-21°667	-4	...	...	...	46°041	+16°897	-3	E	...	*	39°124	+36°257	1°00	46.9625	9°8
...	54°287	+4°057	-2	...	...	...	45°969	+22°997	-5	E	...	...	39°114	+8°667	-5	M	...
...	53°907	+17°873	-3	...	...	...	45°947	-12°919	-5	M	...	...	39°066	-15°414	0°70	...	...
...	53°841	-11°948	-4	...	...	...	45°845	-40°426	-4	E	...	...	38°992	-34°521	-2	...	...
51	-53°811	-59°151	1°00	48.10048	10°6	III	-45°635	+7°773	-5	M	...	*	171	-38°942	-58°018	1°30	47.9184	9°8
...	53°726	-6°833	-4	...	...	*	45°581	+40°798	1°40	46.9621	9°3	*	38°879	+27°177	0°95	46.9626	10°4
...	53°679	+16°908	-4	...	...	...	45°527	-2°605	0°85	47.9177	10°4	...	38°801	+49°314	0°70	...	...
*	53°605	+20°655	0°70	...	...	...	45°385	-37°624	-5	M	...	...	38°627	-7°175	0°65	...	...
*	53°369	-40°435	1°30	47.9172	9°2	*	45°331	-12°131	0°95	47.9178	10°0	*	38°624	+40°840	1°10	46.9627	9°7	
...	-53°335	-3°279	0°80	...	...	*	-44°506	+0°213	0°95	47.9180	10°0	...	-38°599	+16°396	-2	...	...
...	52°991	-0°755	-4	E	...	...	44°470	-26°121	-4	E	...	...	38°441	-36°234	-5	M	...
...	52°969	-15°619	-3	...	...	...	44°394	-32°879	-4	E	...	...	38°419	+10°837	-2	...	...
...	52°912	-29°605	0°70	...	...	...	44°296	-7°335	-4	E	...	...	38°415	-59°347	-1	...	...
...	52°871	+17°528	0°80	...	...	...	44°250	-10°743	-2	...	...	...	38°107	-10°794	0°90	47.9185	10°3

L measured from 1, 158, 322, 462, 591, 742.
MC .. " 85, 251, 387, 527, 661, 816.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.	
181-240																		
181	-37.913	-33.735	-4	° M	...	241	-31.591	+14.195	-5	° M	...	301	-23.202	-10.265	0.70	° M	...	
...	37.750	-18.275	0.95	...	...	...	31.473	-38.141	-5	M	...	...	23.044	+56.421	-4	M	...
...	37.502	-26.617	0.75	...	...	...	31.453	-56.439	-4	...	...	...	22.783	-51.969	1.00	47.9193	10.2
...	37.384	+13.510	-3	...	...	...	31.263	-35.395	-2	...	...	...	22.491	-42.237	-3	...	...
...	37.371	+53.801	-5	...	...	...	31.226	-6.696	0.70	...	...	...	22.473	+28.553	-4	M	...
...	-37.298	-35.216	-5	M	...	*	-30.720	-11.305	0.95	...	...	...	-22.292	+6.104	-4	M	...
...	37.120	-58.614	-5	M	...	...	30.716	+49.944	-3	...	...	...	22.042	-4.887	-5	...	...
...	36.895	+3.361	-4	M	...	*	30.698	+58.511	1.05	46.9630	10.4	...	22.034	-8.264	-5	M	...	
...	36.643	-24.010	-4	M	...	...	30.469	+3.340	-3	...	...	...	21.784	+27.604	-4	M	...
†	36.593	+0.265	-5	M	...	...	30.245	+48.737	-5	M	...	...	21.690	-3.742	0.75	...	...
241-300																		
191	-36.402	-21.910	-4	M	...	251	-29.911	+60.025	-2	...	...	311	-21.670	-55.020	-3	M	...
...	36.384	+28.200	-3	...	...	...	29.657	+45.562	-3	...	...	...	21.177	+27.145	-4	M	...
...	36.281	+12.541	-4	...	...	...	29.621	+34.832	-4	M	...	...	20.812	-43.109	-3	...	...
...	35.966	+19.563	-4	M	...	...	29.582	-32.709	-4	...	...	...	20.652	-9.825	-3	...	...
...	35.907	+24.078	-5	M	...	*	29.478	+2.909	0.90	46.9631	10.0	...	20.618	-52.882	-2	...	...
...	35.818	-20.520	0.95	...	...	*	29.346	+4.268	1.60	46.9632	9.0	...	-20.593	+1.992	-3	...	...
*	35.641	-8.414	0.95	...	...	...	29.332	+53.466	-4	...	...	...	20.326	-12.254	-4	...	...
*	35.631	+7.579	-3	...	...	...	29.305	+48.928	-5	M	...	...	20.320	+48.333	-5	M	...
*	35.517	-3.753	1.00	47.9186	10.0	...	29.022	+16.010	-4	M	...	...	20.249	-26.694	0.90	...	...
...	35.384	+22.546	-5	M	...	...	29.004	+51.474	0.65	...	...	...	20.172	-26.426	-2	...	...
201	* -35.365	-15.310	1.00	47.9187	9.9	261	-28.996	-25.317	-3	...	...	321	-20.107	+32.720	-4	M	...
...	35.273	+19.379	-3	...	...	...	28.961	+0.537	-3	...	...	...	19.995	-36.761	-3	M	...
...	35.252	+16.549	-4	...	...	...	28.871	-32.229	-4	M	...	...	19.930	+44.322	0.90	...	...
†	35.032	-48.453	-5	...	...	...	28.712	+57.912	-3	...	...	*	19.889	+30.537	1.40	46.9635	9.2
†	35.017	-48.458	-5	M	...	...	28.665	-22.682	-4	...	...	...	19.882	-10.277	-4	...	...
...	34.847	+7.171	-3	...	...	...	28.562	-54.878	-1	...	...	...	-19.838	-33.496	0.70	...	...
...	34.679	+15.493	-5	M	...	...	28.460	-49.170	-2	...	...	*	19.729	+2.579	1.25	46.9634	9.4
...	34.674	-13.804	-3	...	...	...	28.317	+20.243	-2	...	...	...	19.024	+59.165	-4	...	...
...	34.386	-39.994	-5	M	...	*	28.071	+27.012	1.00	46.9633	9.8	...	18.932	-32.829	-2	...	...
...	34.370	+11.844	-5	M	...	...	27.796	+32.540	-1	...	...	...	18.925	+14.479	-2	...	...
211	...	-34.201	+38.245	-5	M	...	271	-27.729	-8.156	-4	M	...	331	-18.917	-18.802	-4
...	34.198	+15.368	-5	M	...	...	27.649	+42.387	-1	...	...	...	18.843	+47.131	-3	...	...
...	34.135	-13.400	0.90	...	...	...	27.533	+41.260	-5	M	...	...	18.488	+5.837	-5	M	...
*	33.898	+20.583	1.15	46.9628	9.6	...	27.529	+23.143	-4	M	...	...	18.463	+30.022	-2	...	...
...	33.820	-20.239	-4	M	...	...	27.441	+48.537	-4	M	...	...	18.359	-37.462	-3	...	...
...	33.757	-0.539	-2	...	...	...	-27.146	-57.191	-2	...	...	...	-18.221	-38.635	-2	...	...
α*	33.701	-0.330	1.00	47.9188	10.3	...	26.811	+36.676	-4	M	...	...	17.875	+28.328	-4	...	...
*	33.544	+49.916	1.00	46.9629	10.3	...	26.710	-6.966	-4	...	...	...	17.867	+42.793	-3	...	...
...	33.529	+32.308	-2	...	...	...	26.619	-10.523	-4	...	...	...	17.817	+35.220	0.75	...	...
...	33.504	-15.910	-5	M	...	...	26.493	+7.770	-5	M	...	...	17.817	-21.795	-2	...	...
221	...	-33.423	-13.661	-5	M	...	281	-26.209	-21.120	0.80	47.9191	10.4	341	-17.729	+40.163	-5	M	...
...	33.215	+39.108	-4	M	...	...	26.141	+45.239	-3	...	...	...	17.706	+0.675	0.75	...	...
...	33.200	-55.659	-5	M	...	...	26.104	-47.738	-5	M	...	...	17.587	+50.517	1.00	...	...
...	32.988	+33.728	-3	M	...	...	25.248	-20.036	-5	M	...	*	17.524	+7.208	1.00	...	...
...	32.783	+46.882	-4	M	...	...	25.147	-22.289	0.70	...	...	*	17.400	-27.498	1.15	47.9194	9.7
...	32.775	+43.601	-5	M	...	*	-25.106	-59.590	0.90	48.10073	10.6	...	-17.318	-41.879	-4	M	...	
...	32.752	+6.283	0.75	...	...	...	24.944	-6.957	-5	M	...	*	17.221	-13.097	1.30	47.9195	9.5
...	32.737	-58.237	-3	...	...	*	24.944	-37.127	0.80	47.9192	10.4	...	17.083	-55.954	-2	...	...
*	32.435	-22.364	0.95	...	...	...	24.942	-10.545	-1	...	...	...	17.011	-49.983	-5	M	...
*	32.430	-18.493	0.95	47.9189	10.0	...	24.938	-46.821	-4	M	...	...	16.908	+22.777	-4	...	...
231	...	-32.413	-11.002	-5	M	...	291	-24.746	-23.793	0.70	351	-16.838	+42.629	-4	M	...
†	32.386	+49.999	0.95	...	...	...	24.533	+3.453	-1	...	...	...	16.347	+29.220	-3	...	...
...	32.384	+45.557	-2	...	...	...	24.053	-23.991	-4	M	...	...	16.289	+16.434	-5	M	...
*	32.244	+2.081	1.05	47.9190	9.8	...	23.972	+16.771	-2	...	...	...	16.244	-10.840	-3	...	...
...	32.035	-25.828	0.90	...	...	...	23.693	+54.539	-1	...	...	...	16.090	+15.319	-2	...	...
...	32.011	+58.631	-5	M	...	...	-23.674	+31.395	-5	M	...	...	-16.090	+15.266	-2	...	...
...	31.754	+34.148	-1	A	...	...	23.671	+42.327	-5	M	...	...	15.949	-9.545	-4	...	...
...	31.721	+21.095	-5	M	...	...	23.547	+46.574	-1	...	...	*	15.742	-18.222	1.40	47.9196	9.6
...	31.668	-49.032	-5	M	...	...	23.532	+21.361	-4	M	...	...	15.680	-8.627	-1	...	...
...	31.640	+23.585	-5	M	...	...	23.342	+42.376	-5	M	...	...	15.589	+13.559	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-I.	No.	Mag.		x.	y.	-I.	No.	Mag.		x.	y.	-I.	No.	Mag.	
361-420																		
361	-15°569	-50°649	-5	°M	...	421	-6°985	+23°220	-3	°m	...	481	3°388	-17°658	0°75	°	...	
*	15°545	+13°732	1°60	46.9636	9°3	...	6°981	-39°400	-3	...	...	*	3°575	-23°290	1°00	47.9207	10°3
...	15°182	+13°267	0°70	...	...	...	6°978	-25°098	-4	...	...	...	3°652	-0°790	-2	M	...
...	15°176	-52°554	-2	...	...	...	6°876	+13°340	-3	m	...	...	3°783	+41°361	1°20	46.9647	9°5
+	15°000	+35°795	1°00	46.9637	9°9	...	6°813	-47°758	-5	M	...	...	3°887	+53°609	-1	...	...
...	-14°872	-14°289	-3	...	...	...	6°607	-14°079	-3	...	...	...	3°889	-52°650	-5	M m	...
...	13°871	+10°090	-4	...	...	...	6°119	+29°928	-5	M m	...	...	3°891	+23°483	1°30	46.9646	9°4
...	13°577	-45°509	-3	M	...	...	6°082	+58°326	-2	...	...	...	3°988	+32°568	-4	m	...
*	12°862	-23°174	1°00	47.9198	9°9	...	5°784	+19°091	-3	m	...	...	4°040	+47°821	1°05	46.9648	9°6
...	12°827	+27°563	-5	M	...	...	5°447	+0°962	-5	M m	...	...	4°124	-44°328	-4	m	...
371	-12°733	-46°095	1°70	47.9197	8°6	431	-4°563	-59°327	0°95	48.10081	10°6	...	4°274	-17°877	-4	M	...	
S *	12°618	-37°470	-5	M	...	...	4°550	-38°864	-2	...	...	...	5°020	+53°577	0°70	...	...
...	12°564	-36°442	-3	...	...	*	4°446	-32°420	1°00	47.9204	9°9	...	5°297	-57°699	-4	...	...
...	12°468	+18°450	-4	...	...	...	4°185	-51°840	-5	M m	...	*	5°329	+40°820	1°00	46.9649	10°0
...	12°421	+24°710	-5	M	...	S *	4°097	+41°516	2°20	46.9642	8°8	...	5°719	-28°135	-5	m	...	
*	-12°136	+46°165	1°00	46.9638	9°9	...	3°841	+56°641	-2	...	...	...	5°777	+17°104	-5	M m	...
...	11°774	+30°854	-3	...	...	...	3°810	-15°937	-5	M m	...	*	5°809	-19°618	2°00	47.9208	8°8
...	11°732	-40°598	-5	M	...	...	3°592	+58°106	-3	m	...	...	6°123	+42°873	-4	m	...
...	11°526	-52°481	-5	M	...	...	3°243	+5°112	-3	m	...	...	6°145	+40°355	-5	M m	...
...	11°524	+56°951	-4	...	...	...	3°235	-33°356	-4	M m	...	...	6°255	-38°056	-5	M m	...
381	-11°063	-55°688	-5	M	...	441	S *	-3°142	+9°207	1°45	46.9643	9°2	*	6°264	+49°397	1°00	46.9650	10°2
...	11°031	-51°716	-2	...	...	...	2°766	-30°121	-5	M m	...	...	7°127	-55°015	-5	M	...
*	10°827	+39°653	0°95	...	...	...	2°692	+46°253	0°90	...	...	...	7°175	-41°807	-2	...	...
...	10°564	+1°187	0°95	...	...	...	2°664	-7°768	-5	M m	...	...	7°207	-54°453	0°85	...	...
+	10°114	-58°763	-4	...	...	...	2°489	+34°568	-3	m	...	...	7°368	-40°485	-3	...	...
*	-10°104	+46°544	1°10	46.9639	9°4	...	2°335	-40°805	-4	M m	...	...	7°403	+48°578	-5	M m	...
...	10°067	+27°893	-5	...	...	...	2°239	-36°761	-4	M	...	...	7°442	+58°724	-4	m	...
...	9°953	+4°435	-4	M	...	...	2°224	+5°809	-5	M m	...	*	7°601	-31°244	0°95	47.9209	10°3
...	9°939	+29°121	0°65	...	...	...	1°941	+46°411	0°70	...	...	...	7°613	+40°837	-2	m	...
...	9°829	-0°493	-4	M	...	...	1°931	+55°588	-4	M m	...	...	7°629	+49°564	0°80	...	...
391	-9°701	-26°201	-3	451	S *	-1°693	+30°399	-3	m	...	*	7°775	-9°185	3°00	47.9210	8°3
...	9°655	-46°847	-2	...	...	...	1°495	-55°154	1°00	47.9205	9°9	...	7°789	-44°774	-5	M m	...
...	9°634	+14°077	-4	M	...	...	1°283	+54°868	0°90	...	...	...	8°410	-18°917	-4	...	...
...	9°395	-14°110	-3	...	...	†	1°115	-14°789	-3	M	...	...	8°465	+0°715	-3	M m	...
...	9°358	+27°015	-3	...	...	...	1°104	+31°029	-3	m	...	...	8°470	+20°866	-2	...	...
-	9°269	+45°589	-4	M	...	...	1°052	-44°508	-4	...	...	...	8°517	+49°180	0°65	...	...
...	9°173	+17°002	-5	M	...	...	0°602	-30°404	-5	M m	...	...	8°592	+31°274	-5	m	...
...	9°048	-39°579	-3	...	...	...	0°455	+27°708	-2	m	...	...	8°666	+9°292	0°95	...	...
...	9°009	+39°787	-5	M	...	...	0°454	-36°474	-3	...	...	...	8°679	-47°875	-2	...	...
...	8°910	-46°878	-3	M	...	...	0°446	-8°632	-5	M	...	...	8°770	+6°858	-5	m	...
401	-8°817	+18°192	0°90	46.9640	10°4	461	-0°130	-31°668	-5	...	...	...	8°809	+51°030	-2	a	...
zm*	8°814	+0°501	1°00	47.9200	10°2	...	-0°009	-23°518	-5	M m	...	...	8°952	+7°756	0°90	...	...
*	8°753	-40°351	1°20	47.9199	9°5	*	+0°035	+43°191	1°15	46.9644	9°7	...	8°953	-40°433	-4	M	...	
...	8°680	-5°979	-1	47.9201	10°4	...	0°315	-49°134	-5	M m	...	...	9°341	-17°613	-2	...	...
...	8°670	+22°131	0°85	46.9641	10°4	...	0°484	+24°345	-4	m	...	...	9°447	-38°362	0°80	...	...
-	8°622	+42°506	-2	...	...	...	0°669	+5°306	0°95	46.9645	10°4	...	9°777	+43°245	0°70	...	...
...	8°619	-36°252	-3	...	...	...	0°687	+32°688	-3	m	...	...	10°053	+35°352	-4	m	...
...	8°350	+13°063	-4	m	...	...	0°803	+27°937	0°90	...	...	...	10°297	+39°567	-5	m	...
...	8°087	-56°920	-5	M m	...	...	1°036	-39°401	-3	...	...	*	10°398	+20°468	0°85	46.9651	10°4
...	7°743	-27°382	-2	...	...	...	1°416	+49°164	-4	m	...	...	10°589	+45°896	-4	m	...
411	-7°644	-20°832	-4	...	...	471	+1°584	+33°140	-5	M m	...	...	+11°315	+48°802	-5	m	...
...	7°644	-31°000	-2	...	...	...	1°683	-47°796	-5	M m	...	...	11°342	-25°828	-4	m	...
...	7°626	-41°952	-4	...	...	...	1°913	+4°997	-5	M m	...	...	11°925	-26°792	-4	...	...
...	7°623	+8°670	-2	m	...	...	2°079	+24°172	-4	m	...	...	12°067	-50°939	-5	m	...
...	7°376	-7°562	-4	...	...	...	2°222	+10°899	0°95	...	...	...	12°077	-52°372	-4	...	...
-	7°337	-40°253	-3	M	...	...	+2°466	+43°507	-3	m	...	...	+12°278	+37°437	-5	m	...
*	7°329	-2°625	2°00	47.9202	8°8	...	2°726	-16°323	-5	M	...	...	12°285	+4°977	-2	...	...
...	7°144	+16°421	-4	m	...	...	2°955	+28°273	-3	m	...	...	12°299	-44°844	1°00	47.9211	9°8
...	7°041	+10°282	-4	M m	...	...	3°058	+31°621	-4	M m	...	...	12°772	-17°907	2°80	47.9212	8°2
*	7°010	-21°064	1°60	47.9203	9°3	*	3°326	-19°178	2°00	47.9206	8°8	*	12°840	-52°463	0°85	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
541-600																	
541	+13.003	+30.463	-4	m	...	601	+21.004	+55.256	0.95	...	...	661	+29.934	+45.708	-5	m	...
...	13.353	+30.322	0.65	...	...	*	21.127	+18.822	1.10	46.9658	9.7	...	30.079	-0.904	-4	m	...
...	13.390	-3.095	-5	m	...	...	21.142	+38.047	-5	m	...	...	30.133	+58.502	-3	m	...
...	13.567	+18.828	-5	m	...	...	21.370	-28.321	-3	...	...	...	30.168	+45.855	-1	...	...
...	13.765	+1.980	-4	m	...	*	21.463	-12.718	1.35	47.9219	9.4	...	30.175	+5.129	-5	m	...
*	+13.814	-15.956	0.90	47.9213	10.0	...	+21.474	+26.731	-3	m	...	...	+30.331	+31.339	-4	m	...
...	13.856	-36.075	-3	...	...	...	21.655	+33.372	0.85	...	...	...	30.414	+19.441	-5	m	...
...	13.973	-56.687	-4	m	...	...	21.753	-7.422	-5	...	...	...	30.911	+46.209	-3	m	...
...	14.026	-29.143	-3	...	...	...	22.107	+39.911	-5	m	...	...	31.324	-38.550	-5	m	...
*	14.199	+55.834	1.00	46.9652	10.0	...	22.271	+18.590	-4	m	...	*	31.376	-44.001	0.90	47.9223	10.4
601-660																	
551	*+14.632	+36.552	1.00	46.9653	9.8	...	+22.308	-16.596	-5	m	...	671	+31.443	+51.404	0.90	...	...
*	15.047	-31.276	2.20	47.9214	8.4	*	22.362	+57.862	1.30	46.9659	9.6	...	31.501	-9.213	-5	m	...
...	15.057	-4.074	-3	...	...	...	22.493	-8.476	0.80	...	...	...	31.530	-19.357	-5	m	...
...	15.084	-28.560	-2	...	...	...	22.996	-11.823	-5	...	...	*	31.999	+8.381	1.00	46.9663	10.2
*	15.099	-31.577	2.60	47.9215	8.4	...	23.009	-46.887	-5	m	...	...	32.071	-57.190	-4	m	...
*	+15.108	+31.230	1.00	46.9654	9.6	...	+23.048	+36.853	0.85	...	...	...	+32.147	+40.738	-4	m	...
...	15.239	+47.757	-2	...	...	...	23.067	+14.045	-4	m	...	...	32.233	+59.464	-5	m	...
...	15.310	-37.689	-5	m	...	...	23.193	+10.841	-5	m	...	...	32.239	+38.809	-2	...	...
...	15.402	+5.951	-5	m	...	...	23.283	+11.662	-2	a	...	*	32.262	+21.971	0.95	46.9664	10.3
...	15.422	+28.457	-4	m	...	...	23.385	+2.469	-3	m	...	...	32.584	-27.809	-5	m	...
561	+15.904	-54.606	-1	...	...	621	+23.387	+27.704	-5	m	...	681	+32.664	-54.813	-4	m	...
...	15.947	-30.498	-5	m	...	...	23.405	+20.417	-5	m	...	*	32.871	+47.182	0.90	...	...
...	15.979	+48.354	-5	m	...	...	23.538	+36.633	-4	m	...	...	33.132	+2.569	-5	m	...
...	16.085	+42.635	-5	m	...	...	23.551	+4.618	-5	m	...	...	33.146	-33.769	-2	...	...
...	16.312	-25.786	-4	m	...	...	23.712	-6.248	0.65	...	...	...	33.204	+15.662	-2	a	...
...	+16.339	+55.739	-2	...	...	...	+23.723	-28.287	0.65	...	...	...	+33.255	-4.077	-5	m	...
...	16.726	+31.772	-5	m	...	...	23.973	-31.900	-5	m	...	...	33.386	+51.873	0.90	...	...
*	16.766	+49.942	1.00	46.9655	9.9	...	24.175	-46.434	-5	m	...	S *	33.461	+39.399	1.30	46.9665	9.4
...	16.834	-25.258	-1	...	...	...	24.336	+24.184	0.75	a	...	...	33.496	-6.988	-5	m	...
...	16.847	-42.724	-5	m	...	...	24.396	+51.039	0.95	...	...	...	33.501	-25.875	-2	...	...
571	+16.966	+12.430	-3	m	...	631	+24.905	-17.846	1.05	47.9220	9.8	691	+33.764	-40.341	-4	m	...
...	16.998	-40.318	-4	m	...	...	24.999	+9.986	0.90	...	...	...	33.891	+26.681	-3	m	...
...	17.022	+32.670	0.65	...	...	...	25.098	-24.194	0.65	...	...	...	33.919	-2.223	-4	m	...
*	17.488	+2.512	0.90	46.9656	10.4	*	25.414	+21.736	1.00	46.9660	10.4	...	33.995	+44.099	-2	a	...
...	17.523	+45.875	-4	m	...	...	25.459	+18.747	-5	m	...	...	34.085	-48.828	0.65	...	...
...	+17.769	+28.332	-5	m	...	...	+25.535	+5.670	0.70	a	...	...	+34.157	+31.511	-2	a	...
...	17.890	-37.790	-5	m	...	...	25.727	-34.717	-4	m	...	...	34.818	+59.338	-5	...	...
...	17.913	+24.661	-3	m	...	...	25.824	-35.880	-5	m	...	...	34.872	-1.003	-5	m	...
...	17.915	-25.620	-4	m	...	...	25.914	-22.004	0.90	...	...	...	34.945	-0.492	-3	m	...
...	17.954	-40.184	-2	...	...	...	26.117	+39.680	-5	m	...	...	35.123	-56.975	-4	...	...
581	+17.962	-5.596	-2	...	...	641	+26.178	-21.764	1.05	47.9221	9.7	701	+35.646	+17.953	-2	b	...
...	18.201	+23.451	-1	...	...	...	26.473	+59.560	-5	m	...	...	35.665	-34.271	-3	m	...
...	18.252	-41.522	-4	m	...	*	26.738	+17.967	0.95	46.9661	10.4	...	35.703	-10.882	-5	m	...
...	18.273	+18.909	-4	m	...	...	27.514	-24.224	-2	...	...	...	35.859	-20.833	-4	m	...
*	18.345	-40.924	0.90	47.9217	10.2	...	27.592	+34.611	-5	m	...	S *	36.037	-38.320	1.50	47.9224	8.8
*	+18.429	-3.647	0.95	47.9216	10.3	...	+27.668	-23.093	-2	...	...	*	+36.079	-42.437	1.10	47.9225	9.4
...	18.559	+50.782	-4	m	...	...	27.988	+10.952	-2	a	...	...	36.106	+49.643	-4	m	...
...	18.929	-50.810	-4	m	...	...	28.049	+41.239	-4	m	...	...	36.171	-41.534	-4	m	...
...	19.006	+15.377	-1	...	...	...	28.184	-38.165	0.80	...	...	...	36.227	+18.165	-2	a	...
...	19.365	-59.414	-4	m	...	...	28.404	-4.723	-5	m	...	*	36.286	-53.910	0.90	...	...
591	+19.992	+25.454	-4	m	...	651	+28.452	-49.143	-2	...	...	711	+36.494	-39.918	-4	m	...
...	20.099	-24.349	-5	m	...	...	28.715	+39.866	-5	m	...	...	36.509	-31.435	-2	...	...
...	20.202	-1.296	-5	m	...	...	28.719	+2.522	-4	m	...	...	36.590	+11.961	-4	m	...
+	20.231	-49.739	1.00	47.9218	10.0	...	28.917	-34.868	-3	m	...	*	36.691	-36.315	0.90	...	...
*	20.249	+11.785	1.00	46.9657	10.0	*	28.972	-3.522	1.00	47.9222	10.2	...	36.750	+45.671	0.70	...	...
...	+20.404	+26.581	-5	m	...	...	+29.167	+11.370	-5	m	...	...	+37.194	-26.473	-2	...	...
...	20.557	-40.953	0.70	...	...	*	29.209	+4.013	1.00	46.9662	9.9	...	37.282	+50.941	-3	m	...
...	20.567	-57.726	-5	m	...	...	29.235	-54.247	-3	...	...	*	37.296	-39.160	0.90	47.9226	10.3
...	20.652	+59.303	-4	m	...	...	29.638	+47.474	-5	m	...	...	37.381	+8.214	-5	m	...
...	20.849	-41.737	-5	m	...	...	29.703	-37.473	0.65	...	...	*	37.462	+30.630	1.00	46.9666	9.8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.		x.	y.	-i.	No.	Mag.
721-780																	
721						781						841					
...	+37°503	+37°305	-4	m	...	*	+45°670	-53°320	1°15	47.9230	9°6	...	+52°598	-25°674	0°65	...	...
...	37°544	+36°993	-2	a	...	†	45°727	-9°800	0°90	...	...	...	52°794	-57°756	-4	e	...
...	37°817	+3°530	-4	m	...	...	45°742	-33°212	-3	e	...	...	52°845	-59°166	-2	...	...
*	38°034	+52°491	1°30	46.9667	9°6	...	45°956	+15°425	-2	e	...	...	52°930	-45°385	-3	e	...
*	38°141	-5°746	0°90	...	...	...	46°016	+31°149	0°90	e	...	...	53°136	-52°143	-3	e	...
...	+38°147	+20°605	0°70	...	...	*	+46°048	-47°475	1°00	47.9231	10°3	...	+53°280	-15°712	-3	e	...
†	38°223	-29°793	-5	m	...	...	46°109	-0°772	-5	e	...	...	53°511	+18°401	-3	e	...
...	38°324	+49°726	-2	a	...	...	46°122	+17°425	-5	m	...	*	53°513	-5°256	1°00	47.9234	10°2
...	38°455	-26°572	-2	...	...	...	46°221	+32°360	0°90	e	...	...	53°595	+23°475	-4	e	...
†	38°473	-49°643	0°95	47.9227	10°4	...	46°276	+22°744	-5	e	...	...	53°606	+3°155	-5	e	...
731						791						851					
...	+38°577	+45°658	0°85	...	...	...	+46°280	-6°636	-5	e	...	...	+53°700	-17°701	-3	...	...
...	38°594	+21°977	-3	m	...	...	46°527	-7°015	-5	m	...	...	54°141	-11°284	-4	m	...
...	38°667	-43°248	-5	m	...	...	46°598	+3°534	-2	e	...	...	54°572	+32°766	0°90	46.9678	10°4
*	38°736	+59°003	1°20	46.9668	9°9	...	46°684	-22°742	0°65	...	...	...	54°590	-26°287	-4	e	...
...	38°869	+9°658	-5	m	...	...	47°090	-55°695	-2	...	...	...	54°619	+11°991	-4	e	...
*	+38°957	-21°291	0°95	47.9228	10°0	*	+47°121	+13°456	1°00	46.9673	10°4	*	+54°642	-27°089	0°90	...	...
...	39°041	+47°728	0°80	...	...	...	47°201	+43°102	1°00	...	...	...	54°663	+9°350	-5	e	...
*	39°064	+6°300	0°75	...	...	...	47°264	+39°109	-5	m	...	...	54°853	-35°311	-4	e	...
...	39°353	+1°288	-3	m	...	...	47°462	+37°897	-3	e	...	...	54°973	-18°521	-5	e	...
...	39°413	+2°081	-2	a	...	...	47°610	+59°182	-4	e	...	...	55°309	-19°094	-4	e	...
741						801						861					
...	+39°591	+46°370	0°80	...	...	*	+47°620	-2°975	1°00	...	...	...	+55°311	+46°454	-4	e	...
...	39°929	-43°799	-5	m	...	...	47°650	+2°345	0°95	...	...	...	55°532	+50°828	-4	e	...
...	40°539	+18°436	-3	m	...	...	47°860	+3°293	0°70	...	...	...	55°620	-38°574	-5	e	...
...	40°571	-2°283	-4	m	...	*	48°120	+55°469	1°50	46.9674	9°2	...	55°945	+15°927	0°65	...	...
...	40°705	+6°772	-4	m	...	*	48°215	+19°844	0°95	...	...	...	55°977	+10°936	0°80	...	...
...	+40°731	-30°680	-2	a	...	...	+48°297	+26°571	0°70	e	...	†	+56°468	+50°092	-4	e	...
...	40°755	+44°818	0°95	...	...	...	48°381	-15°118	-5	e	...	...	56°515	+10°032	-4	e	...
...	41°181	-14°324	-2	...	...	...	48°388	-11°941	0°70	e	...	...	56°651	-11°018	-2	...	...
...	41°249	+4°232	-4	m	...	...	48°707	+38°807	-5	e	...	...	56°693	+37°963	-3	e	...
*	41°426	-5°666	1°00	47.9229	10°4	*	48°730	-40°840	1°00	47.9232	10°4	...	56°733	+47°650	-1	...	...
751						811						871					
*	+41°445	+11°827	1°00	46.9669	10°2	...	+49°103	+16°639	0°65	e	...	...	+56°756	-3°473	-4	e	...
...	41°820	-53°264	-4	m	...	*	49°239	+51°734	1°05	46.9675	10°2	...	56°774	-29°177	-5	m	...
...	41°904	+51°152	-4	m	...	...	49°239	-8°737	0°90	...	...	...	56°788	-8°583	-4	e	...
...	41°942	+18°032	-5	m	...	...	49°309	-8°535	-5	e	...	...	56°801	+42°711	-5	e	...
...	41°968	-29°468	-5	m	...	...	49°530	-6°016	-3	...	...	S *	56°871	-15°608	3°50	47.9235	7°2
...	+42°182	+5°047	-5	m	...	...	+49°914	+4°446	-4	e	...	...	+56°941	+7°835	-2	e	...
...	42°363	+15°025	0°85	...	...	...	49°934	-13°374	-3	...	...	...	57°102	-11°333	-3	e	...
*	42°620	+34°255	1°25	46.9670	9°4	...	49°986	+22°382	-3	e	...	...	57°167	-12°768	0°85	...	...
...	42°663	-26°486	-4	...	...	...	50°313	-23°057	-4	e	...	*	57°381	+44°485	1°00	46.9679	10°2
*	42°798	+4°961	0°95	...	...	...	50°377	-1°855	-5	e	...	...	57°600	+13°512	-1	...	...
761						821						881					
...	+42°958	+27°095	-4	m	...	...	+50°670	+23°503	-3	e	...	...	+57°640	+9°646	-5	e	...
*	43°115	+38°515	1°00	46.9671	10°0	...	50°767	-2°418	-5	m	...	...	58°023	+24°827	-4	e	...
...	43°395	-22°836	-3	...	...	...	50°939	-2°558	-5	e	...	...	58°184	-47°466	-4	e	...
...	43°522	+42°640	-3	m	...	*	50°972	-4°628	0°75	...	...	...	58°406	+16°189	-4	e	...
...	43°568	-51°543	-3	e	...	...	51°010	+41°385	-5	m	...	...	58°416	+33°942	-1	...	...
...	+43°628	-27°360	-5	m	...	S *	+51°045	+8°106	1°33	46.9676	9°2	S *	+58°678	-33°855	1°85	47.9236	8°6
...	43°680	+26°515	0°90	...	...	...	51°127	+2°591	-4	e	...	...	59°358	-48°947	-5	e	...
...	43°885	+45°366	-1	e	...	...	51°404	+1°280	-3	e	...	...	59°565	+5°708	-2	...	...
...	44°104	+24°482	-5	m	...	*	51°439	+5°301	0°95	46.9677	10°0	...	59°671	+51°419	-4	e	...
...	44°198	-13°748	0°70	...	...	...	51°461	-9°242	-4	e	...	...	59°672	+39°143	-4	e	...
771						831											
...	+44°221	-56°387	-4	...	...	...	+51°502	+58°578	-4	e	...	...			
...	44°263	-6°491	-3	e	...	*	51°650	-30°251	1°40	47.9233	9°0						
...	44°448	+4°898	-3	e	...	...	51°683	-5°821	-5	m	...	...			
...	44°450	-45°574	-3	e	...	...	51°821	-36°406	-4	e	...	...			
...	44°523	-13°989	-3	...	...	...	51°908	-32°165	-3	e	...	...			
...	+44°946	+55°511	-4	e	...	...	+52°219	-35°054	-2	...	...	...		
...	45°217	+24°367	-5	e	...	...	52°247	-33°012	-2	...	...	...		
...	45°456	+29°934	-4	e	...	...	52°361	+39°310	-5	e	...	...			
...	45°497	+24°179	0°65	e	...	†	52°385	+45°014	-1	...	...	...		
*	45°516	+56°521	1°30	46.9672	9°5	...	52°393	+17°572	-4	e	...	...			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
1-60																	
I	-59°914	+45°140	-4	°E	...	61	-51°282	-23°065	-4	°E	...	121	-43°264	+23°795	-4	°M	...
...	59°695	+4°700	0°90	...	...	...	51°280	+2°604	-5	E	...	...	* 43°149	+27°261	1°60	46°9681	9°0
...	59°503	+26°277	1°00	...	...	...	51°246	+39°341	-5	E	...	...	43°143	+27°940	-5	M	...
...	59°172	+55°312	-5	E	...	...	* 51°212	-4°628	0°90	...	...	...	42°973	+46°547	-4	M	...
...	58°826	-26°740	-4	...	...	...	* 51°062	+5°314	1°00	46.9677	10°0	...	42°955	+5°980	-2	...	...
*	-58°617	+56°327	1°50	46.9672	9°5	...	-50°970	+1°300	-4	E	...	...	-42°802	+7°282	-4	M	...
...	58°202	-23°075	-5	...	...	...	50°573	-9°228	-4	E	...	...	42°640	-47°220	-4	E	...
...	58°043	+4°688	-3	E	...	...	50°511	+17°626	-4	E	...	S*	42°564	-33°602	2°00	47.9236	8°6
...	57°892	+24°182	-5	E	...	...	* 49°701	-30°228	1°60	47.9233	9°0	†	42°322	+5°129	-5	M	...
...	57°864	-6°705	-3	E	...	...	49°491	+23°558	-4	E	...	...	41°713	+38°812	-4	M	...
II	-57°835	+29°748	-5	E	...	71	-49°419	+18°483	-2	E	...	131	-41°538	+46°761	-4	M	...
...	57°700	-13°966	0°65	...	...	...	49°399	-32°127	-4	E	...	...	41°487	+33°950	-5	M	...
...	57°613	+23°999	-3	E	...	...	49°346	-36°361	-4	E	...	...	41°473	+26°433	-3	M	...
...	57°367	-14°193	-4	...	...	...	49°033	-32°961	-2	...	...	...	41°415	-48°671	-4	E	...
...	57°318	+30°982	-2	E	...	...	48°994	-35°003	-2	...	...	...	41°346	-33°918	-2	...	...
...	-57°156	+32°208	-2	E	...	...	-48°907	-25°614	-1	...	...	n	-41°261	+32°521	0°80	46.9682	10°4
...	57°119	-51°778	-4	E	...	...	48°824	+3°228	-4	E	...	...	41°222	-29°851	-5	M	...
...	56°873	+15°266	-4	E	...	...	* 48°819	+32°870	0°95	46.9678	10°4	...	41°076	-7°493	-1	...	...
...	56°795	+22°591	-5	E	...	...	* 48°654	-5°170	0°95	47.9234	10°2	n	41°047	+32°718	0°80	46.9682	10°4
...	56°630	+59°068	-4	E	...	...	48°560	-15°627	-4	E	...	...	41°027	+35°553	-5	M	...
21	-56°515	+42°970	1°05	...	...	81	-48°491	+46°586	-4	E	...	141	-40°772	+37°988	-5	M	...
...	56°425	-45°778	-5	E	...	...	48°423	+50°955	-3	E	...	...	40°687	-21°741	-3	...	...
...	56°303	-56°590	-4	...	...	...	48°112	+12°113	-5	E	...	...	40°614	-33°729	0°75	...	...
*	56°294	-9°961	0°95	...	...	...	48°065	-17°619	-3	...	...	...	40°581	+36°985	-5	M	...
...	56°202	-0°923	-5	E	...	...	47°979	+9°474	-4	E	...	...	40°331	-37°385	-2	...	...
...	-56°090	+37°775	-5	E	...	...	-47°956	-45°313	-4	E	...	...	-40°320	+12°139	-4	M	...
*	55°973	+55°362	1°60	46.9674	9°2	...	47°838	-11°168	-4	M	...	*	39°845	+18°057	0°90	...	...
...	55°854	+3°401	-3	E	...	...	47°703	-57°679	-5	E	...	...	39°597	-17°578	-3	M	...
...	55°850	-6°778	-5	E	...	...	47°602	-59°085	-3	...	...	...	39°446	-24°457	-3	...	...
*	55°638	+13°335	1°00	46.9673	10°4	...	47°528	-52°059	-3	E	...	...	39°314	-0°693	-5	M	...
31	-55°527	-33°362	-3	E	...	91	-47°457	+50°249	-3	E	...	151	-39°037	+12°555	0°80	...	...
*	54°948	-53°479	1°15	47.9230	9°6	...	47°122	+47°823	-1	...	...	...	38°985	+43°349	0°90	...	...
...	54°926	-22°875	-2	...	...	...	46°908	-26°168	-3	E	...	...	38°863	+3°484	-5	M	...
...	54°896	+26°480	0°65	E	...	...	46°900	+42°889	-4	E	...	...	38°777	-30°072	-5	M	...
*	54°883	+38°727	-5	E	...	...	46°897	+16°078	0°65	...	...	...	38°759	+26°003	-4	M	...
*	-54°756	-47°617	1°10	47.9231	10°3	...	-46°858	+38°139	-2	E	...	...	-38°546	-41°524	-2	A	...
*	54°755	+51°671	1°20	46.9675	10°2	*	46°828	-26°973	0°85	...	...	...	38°124	+24°365	0°85	...	...
...	54°754	+19°755	0°90	...	...	...	46°776	-18°377	-5	E	...	...	38°032	+0°215	0°70	A	...
*	54°753	+2°237	1°00	...	...	...	46°706	+11°094	0°70	...	...	...	37°893	+28°007	-5	M	...
*	54°622	-3°080	1°00	...	...	...	46°415	-18°952	-4	E	...	...	37°813	+29°806	-2	B	...
41	-54°580	+3°192	0°85	...	...	101	-46°375	+44°683	1°00	46.9679	10°2	161	-37°798	+9°445	-2	D	...
...	53°765	+16°577	-2	E	...	...	46°341	-35°185	-4	E	...	*	37°718	+27°822	0°90	...	...
...	53°554	-12°025	0°70	E	...	...	46°149	+10°207	-4	E	...	...	37°493	-10°665	-5	M	...
...	53°474	-15°205	-5	E	...	...	45°645	+8°030	-2	E	...	...	37°002	-10°457	0°65	...	...
...	53°461	-55°808	-4	...	...	...	45°483	-38°416	-5	E	...	*	36°750	+11°790	1°00	46.9683	9°9
...	-53°338	-34°323	-5	M	...	...	-45°463	-3°287	-4	E	...	...	-36°713	-45°144	0°90	...	...
...	53°065	+22°354	-1	E	...	...	45°334	-10°832	-2	...	...	...	36°692	-5°919	-4	M	...
...	52°816	-8°790	0°75	...	...	...	45°282	-8°392	-4	E	...	*	36°639	-35°002	1°00	47.9237	9°9
...	52°755	-8°581	-5	E	...	...	45°174	+13°720	-1	...	...	...	36°491	-19°961	-5	M	...
...	52°695	+58°583	-4	E	...	...	45°119	+25°039	-4	E	...	...	36°246	+27°734	0°85	...	...
51	-52°606	-6°057	-4	...	...	III	-45°005	+9°870	-5	E	...	171	-36°186	+10°785	-5	M	...
...	52°563	+4°410	-5	E	...	...	44°990	+34°185	-1	...	...	...	36°098	-56°218	-3	...	...
...	52°451	-6°947	-5	M	...	S†	44°941	-15°409	3°40	47.9235	7°2	...	35°201	+13°312	0°85	...	...
*	52°407	+23°496	-1	E	...	...	44°874	-11°131	-3	E	...	...	35°111	+5°829	0°90	46.9684	10°4
*	52°298	-40°898	1°00	47.9232	10°4	*	44°758	-12°571	0°90	...	...	...	34°688	-23°695	-4	M	...
...	-51°957	-13°402	-4	...	...	...	-44°444	+16°422	-4	E	...	...	-34°684	-44°894	-3	M	...
...	51°894	-1°871	-5	E	...	...	44°284	+51°691	-3	E	...	*	34°636	+39°697	1°05	46.9685	10°0
S*	51°542	+8°105	1°25	46.9676	9°2	...	44°110	-19°565	-5	M	...	...	34°516	-25°664	-5	M	...
†	51°390	+45°054	0°80	...	...	...	43°901	+39°416	-3	E	...	...	34°495	-50°118	-4	M	...
...	51°306	-2°560	-5	E	...	...	43°406	+16°309	-5	M	...	...	34°466	-34°676	-2	M	...

L measured from
MC " 1, 147, 286, 412, 544, 695.
" " 69, 214, 354, 471, 617, 774.

136, 139. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
181-240																	
181	-34°351	+9°505	-4	M	...	241	-25°274	+7°210	-5	M	...	301	-17°938	-17°007	1°00	...	...
*	34°180	+27°901	1°00	...	...	...	25°224	-11°080	-4	...	...	...	17°926	+41°403	-5	M	...
...	34°170	+27°396	-4	M	...	...	25°215	+48°224	-4	M	...	...	17°815	-30°451	-2	...	...
...	34°144	-47°823	-5	M	...	...	25°024	-56°542	-5	M	...	...	17°701	-43°602	-3	M	...
...	34°074	-40°093	-2	...	...	...	25°012	-2°707	0°65	...	...	...	17°590	-30°940	-2	...	...
*	-33°941	+46°086	1°10	46.9686	9°9	...	-24°871	+54°714	-3	M	...	...	-17°488	+3°047	-4	M	...
...	33°914	+52°720	-3	M	...	...	24°847	+33°197	-3	M	...	...	17°324	-8°532	-4	M	...
...	33°912	+12°251	0°75	A	...	...	24°664	+20°043	-5	M	...	...	16°976	-10°791	0°90	...	...
...	33°844	-56°555	-1	...	...	...	24°510	-46°577	-4	M	...	...	16°536	-24°708	-2	...	...
...	33°824	+59°897	-5	M	...	*	24°503	-15°889	1°00	47.9239	10°0	...	16°468	+21°945	-5	M	...
191	-33°749	+35°343	-5	M	...	251	-24°006	+20°865	-2	...	...	311	-16°147	-38°361	-5	M	...
*	33°727	+32°330	1°00	...	...	*	23°978	-20°966	0°80	...	...	...	15°810	+11°844	-2	...	...
...	33°648	-40°305	-2	...	...	...	23°868	+53°362	-1	...	...	...	15°738	-48°400	0°75	...	...
...	33°361	+51°537	-3	M	...	...	23°822	+14°619	-2	M	...	...	15°691	+42°313	-5	M	...
...	33°120	+10°233	-5	M	...	...	23°595	+55°996	-3	M	...	...	15°520	-1°181	-4	M	...
S*	-32°962	+47°532	2°60	46.9687	7°8	...	-23°559	+9°436	-2	...	...	...	-15°482	+30°634	0°75	...	...
*	32°483	+23°465	1°10	46.9688	10°0	...	23°483	+25°485	0°65	...	...	*	15°357	-37°874	1°00	...	...
...	32°425	+23°246	-4	M	...	...	23°465	-44°417	-5	M	...	...	15°247	-35°842	-2	...	...
...	32°108	-40°754	-1	...	...	*	23°347	-31°526	1°00	47.9240	10°1	†	15°186	+59°137	-5	M	...
...	31°967	+29°591	-5	M	...	*	23°288	+21°203	0°90	...	...	...	15°061	+18°122	-5	M	...
201	-31°914	+38°972	-5	M	...	261	-23°147	-45°205	-3	M	...	321	-14°965	-56°401	-5	M	...
...	31°891	+43°458	-3	M	...	...	23°001	+6°620	-4	M	...	...	* 14°930	-25°940	1°00	47.9244	10°1
...	31°701	-45°816	-5	M	...	...	22°977	-28°015	-3	...	...	...	14°860	+53°471	1°10	46.9693	9°7
...	31°693	-22°552	-2	A	...	...	22°852	-44°547	-5	M	...	...	14°718	+0°756	-4	M	...
...	31°680	+20°689	0°75	...	...	...	22°849	-12°112	-4	...	...	...	14°568	-47°974	-5	M	...
...	31°659	+3°413	0°75	...	...	...	-22°779	-33°006	-4	M	...	...	-14°356	+4°660	-4	M	...
...	31°381	-10°037	-4	M	...	...	22°699	+9°563	-4	M	...	...	14°059	+30°216	1°00	...	...
*	31°370	-54°870	1°10	47.9238	10°4	...	22°643	+3°186	-4	M	...	...	13°989	+44°454	-3	M	...
...	31°322	+55°257	-1	...	...	...	22°641	-58°305	-4	...	...	...	13°779	+47°115	0°75	...	...
...	31°208	-15°953	0°70	...	...	S*	22°607	-41°894	1°30	47.9241	9°4	...	13°474	+19°479	-5	M	...
211	-31°113	+13°738	0°85	...	...	271	-22°382	-36°834	-4	...	...	331	-13°129	+44°891	-3	M	...
...	31°084	-4°024	-4	M	...	...	22°274	-56°402	-1	...	...	...	13°102	+20°116	0°70	...	...
*	30°404	+42°129	1°30	46.9689	9°8	...	21°627	+21°588	-4	M	...	...	13°029	-12°347	0°90	...	...
...	29°692	+3°216	-3	M	...	...	21°521	-47°957	-4	M	...	...	12°984	-47°304	1°00	...	...
*	29°564	-13°263	0°90	...	...	*	21°449	+58°695	1°70	46.9691	9°0	...	12°753	-6°803	-4	M	...
...	-29°512	+56°405	-4	M	...	...	-21°399	+44°042	-5	M	...	...	-12°752	-44°464	0°70	...	...
...	29°316	-33°292	-3	...	...	*	21°110	+57°695	1°70	46.9692	9°2	...	12°555	+45°868	-2	A	...
...	29°273	+31°904	-5	M	...	*	21°087	-50°265	1°00	47.9242	10°1	*	12°555	-26°548	0°95	...	...
...	28°688	+2°271	-5	M	...	...	21°062	+0°743	-2	...	...	...	12°359	+17°319	-5	M	...
...	28°662	-31°530	-5	M	...	*	20°967	-51°092	0°90	...	...	...	12°265	+14°256	-1	...	...
221	-28°611	-45°148	-4	M	...	281	-20°834	+35°574	-3	M	...	341	-11°963	+18°131	1°00	...	...
...	28°480	+15°724	-3	M	...	...	20°825	+21°704	-3	M	...	...	11°480	+44°372	1°00	46.9694	10°1
...	28°331	+37°857	-5	M	...	...	20°686	-29°435	-5	M	...	...	11°370	+36°626	0°85	...	...
...	27°959	+21°795	-2	A	...	...	20°358	-42°240	-4	M	...	...	11°314	-50°342	-3	...	...
...	27°340	-17°258	-2	...	...	...	20°228	-36°262	-4	M	...	...	11°269	-59°641	-3	...	...
...	-27°263	+59°476	-1	...	...	*	-19°980	-19°942	1°20	47.9243	9°8	...	-11°138	-25°917	-1	...	...
...	26°932	+2°881	-4	M	...	*	19°783	+7°983	1°00	...	...	...	10°906	+48°538	-4	M	...
*	26°902	+26°431	1°00	46.9690	10°1	...	19°447	-49°893	-5	M	...	...	10°737	-14°084	-4	...	...
...	26°707	+4°096	-4	M	...	...	19°401	-17°182	-5	M	...	...	10°563	-45°225	-4	M	...
...	26°254	-47°124	-4	M	...	...	19°309	-46°998	-5	M	...	...	10°435	+48°997	-5	M	...
231	-26°191	-19°100	-3	...	...	291	-19°293	+5°850	0°70	A	...	351	-10°417	-38°160	-3	...	...
...	25°952	+43°344	-4	M	...	...	19°054	+43°830	-4	M	...	...	10°276	-52°591	-3	...	...
*	25°944	-9°392	0°80	...	...	...	18°938	-45°000	-4	M	...	*	10°249	+32°896	0°95	...	...
...	25°941	-0°510	-1	...	...	...	18°797	-26°857	-2	...	...	...	10°070	-23°090	-4	M	...
...	25°495	+2°936	-5	M	...	...	18°693	+13°136	-5	M	...	...	10°003	+54°616	-2	A	...
...	-25°437	-14°920	-4	M	...	*	18°494	-36°953	-4	M	...	...	-9°793	+50°186	-3	M	...
...	25°436	-56°131	-5	M	...	...	18°250	+19°255	1°00	...	...	...	9°642	-10°006	-4	M	...
...	25°342	+11°592	-5	M	...	...	18°224	-44°614	-5	M	...	...	9°508	+42°245	0°85	...	...
*	25°328	+38°645	0°90	...	...	...	18°103	+37°990	-2	M	...	...	9°388	-26°201	-3	...	...
...	25°328	+35°147	-4	M	...	...	18°088	+39°323	-2	M	...	...	9°252	+46°665	-4	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
361-420																		
361	- 9·218	- 4·702	- 5	o M	...	421	* + 1·001	+ 49·318	1·00	o	...	481	- 11·247	- 22·328	- 1	o	...	
...	- 9·088	- 40·130	0·80	...	...	...	1·009	- 17·250	- 2	...	...	...	11·476	- 19·604	1·00	47·9253	10·0
...	- 9·076	- 27·777	- 3	m	...	...	1·490	+ 38·871	- 3	M m	...	...	11·530	+ 41·032	- 4	m	...
...	8·794	+ 0·433	- 3	M m	...	...	2·032	+ 54·821	1·00	...	...	...	11·605	+ 51·058	- 4	m	...
...	8·614	+ 59·190	- 4	M	...	...	2·780	- 42·908	- 5	M m	...	...	12·044	+ 8·497	- 5	m	...
...	- 8·614	- 57·226	- 2	...	...	*	+ 3·040	- 13·876	1·00	47·9248	10·1	...	+ 12·073	- 1·550	- 5	m	...
...	8·495	- 21·071	- 1	...	...	...	3·303	+ 48·337	- 5	M m	...	...	12·144	+ 50·316	1·80	46·9699	8·5
...	8·265	+ 57·833	- 3	...	...	...	3·357	+ 58·235	- 1	...	...	...	12·186	- 32·483	- 5	m	...
...	7·859	+ 32·709	- 4	M m	...	...	3·603	+ 42·405	- 5	M m	...	...	12·231	+ 59·809	0·80	...	...
...	7·741	- 58·099	- 3	...	...	...	3·629	- 58·547	- 2	...	...	...	12·247	- 55·691	- 2	...	...
371	- 7·718	- 44·242	- 5	M m	...	431	+ 3·728	+ 39·634	0·90	...	...	491	+ 12·279	- 22·147	- 5	m	...
...	7·699	- 42·993	- 4	M m	...	...	3·833	- 19·841	- 5	M m	...	...	12·822	+ 1·419	- 4	m	...
...	7·693	- 57·865	- 4	M m	...	...	4·008	- 53·214	- 1	m	...	...	13·318	+ 50·348	- 5	m	...
...	7·403	+ 28·912	- 4	M m	...	...	4·208	- 59·051	- 4	m	...	...	13·417	- 58·689	- 3	m	...
...	7·286	- 42·812	- 4	M m	...	*	4·456	- 40·831	0·90	...	...	...	13·700	- 8·044	0·80	...	...
...	- 7·265	+ 18·501	- 5	M m	...	...	+ 4·749	+ 47·573	- 3	M	...	...	+ 13·728	- 52·025	- 4	m	...
...	6·901	- 36·862	- 4	M m	...	...	4·950	+ 33·594	- 5	M m	...	*	13·754	+ 25·315	0·80	...	...
...	6·880	- 33·832	- 1	...	...	...	4·961	- 5·921	- 4	M m	...	...	13·770	+ 42·128	- 3	m	...
...	6·872	- 33·029	1·30	47·9245	9·4	...	5·020	+ 3·458	- 2	M m	...	...	13·878	+ 4·888	- 4	m	...
...	6·747	- 30·886	0·65	...	...	...	5·092	- 25·360	- 2	...	...	...	14·066	+ 1·480	- 4	m	...
381	- 6·501	- 7·330	- 3	m	...	441	+ 6·219	+ 23·731	1·00	...	...	501	+ 14·072	- 39·479	- 2	...	...
...	6·156	+ 26·134	- 3	M m	...	...	6·234	+ 57·903	- 1	M	...	...	14·110	+ 12·906	- 4	m	...
...	5·914	+ 44·277	- 2	A m	...	...	6·259	- 23·363	0·85	...	...	...	14·304	+ 16·423	- 4	m	...
...	5·783	- 1·151	- 3	...	...	...	6·449	- 36·152	0·70	...	...	...	14·312	+ 5·137	0·90	...	...
...	5·755	- 56·364	- 2	...	...	...	6·464	+ 47·107	- 3	M m	...	...	14·351	+ 22·509	- 3	m	...
...	- 5·708	- 39·999	- 3	...	...	...	+ 6·519	- 28·377	0·85	...	...	...	+ 14·415	+ 1·263	- 4	m	...
...	5·542	- 7·232	- 5	M m	...	...	6·659	+ 10·960	- 2	M	...	...	14·523	- 15·733	- 4	...	...
...	5·463	+ 3·799	- 3	M m	...	*	6·679	+ 1·759	- 5	M m	...	...	14·637	- 39·152	- 5	m	...
...	5·418	+ 57·326	- 4	M m	...	...	6·692	- 53·348	1·10	47·9249	10·0	...	14·876	+ 33·703	- 2	m	...
...	5·080	+ 11·885	- 4	M m	...	...	6·863	+ 17·282	- 5	M m	...	...	14·915	- 49·890	- 2	m	...
391	- 4·958	- 3·657	1·00	47·9246	9·9	451	+ 6·924	- 46·831	0·70	m	...	S *	+ 15·372	- 27·840	1·30	47·9254	9·4	
...	4·913	+ 25·972	1·10	46·9695	10·0	...	6·972	- 56·326	- 5	M m	...	...	15·393	- 16·354	- 5	m	...
...	4·607	+ 12·998	0·65	...	...	S *	7·376	+ 35·319	2·50	46·9697	7·9	...	15·552	- 44·500	- 3	m	...
...	4·342	- 17·170	- 5	M m	...	...	7·415	- 41·341	- 2	m	...	...	15·582	+ 35·933	- 4	m	...
...	4·261	- 51·089	- 2	...	...	...	7·491	+ 28·066	0·90	...	...	*	15·851	- 52·338	1·00	47·9255	9·8
...	- 3·982	- 8·587	- 5	m	...	...	+ 7·500	- 58·894	- 2	m	...	...	+ 15·877	- 1·834	- 3	...	...
...	3·957	+ 39·863	- 3	M m	...	...	7·610	- 57·091	0·90	...	...	...	15·971	+ 9·359	- 4	m	...
...	3·746	- 13·261	- 3	m	...	...	8·233	+ 31·869	- 4	m	...	...	16·081	- 35·873	0·90	...	...
S *	3·549	+ 2·937	1·30	46·9696	9·4	...	8·239	- 38·733	0·80	...	...	...	16·364	- 43·278	- 3	m	...
...	3·440	+ 39·038	0·95	...	...	...	8·250	+ 25·887	- 3	m	...	...	16·411	+ 1·218	- 4	m	...
401	- 2·580	+ 54·351	- 5	M m	...	461	+ 8·777	- 21·931	- 5	M m	521	+ 16·506	- 42·685	- 4	m	...
...	2·532	- 24·831	0·90	...	...	...	8·917	+ 36·287	- 5	m	...	...	16·508	+ 44·074	- 5	m	...
...	2·365	+ 25·568	0·75	...	...	...	9·136	- 43·394	- 5	M m	...	...	16·807	- 7·466	- 5	m	...
...	2·306	- 15·322	- 2	m	...	*	9·150	- 15·499	1·00	47·9251	10·1	...	17·081	+ 43·781	- 2	a	...	
...	1·718	- 24·223	1·10	47·9247	9·9	*	9·186	- 23·692	1·10	47·9250	9·8	...	17·188	+ 11·189	- 5	m	...	
...	1·211	+ 13·384	- 4	M m	...	...	+ 9·228	- 28·213	- 4	m	...	*	+ 17·346	+ 38·283	0·90	...	...
...	0·986	- 54·713	0·90	...	...	...	9·673	- 59·300	0·90	...	...	...	17·374	+ 58·943	- 1	...	...
...	0·558	- 45·754	- 5	M m	...	...	9·674	- 31·004	- 2	...	...	...	17·513	- 46·995	- 4	m	...
...	0·403	+ 51·009	- 2	M	...	...	9·709	- 2·290	- 5	m	...	*	17·518	+ 48·711	0·90	...	...
...	0·301	+ 24·288	- 4	M m	...	+	9·761	- 9·528	1·00	47·9252	10·1	...	17·633	- 48·724	- 4	m	...	
411	- 0·273	- 44·032	0·85	...	...	471	+ 10·109	- 6·715	- 2	...	...	*	+ 17·905	+ 51·633	1·60	46·9701	9·4
...	- 0·049	- 53·997	- 1	...	...	...	10·144	+ 38·307	- 3	m	...	*	17·920	+ 51·924	2·80	46·9700	8·2
...	+ 0·041	+ 32·103	- 3	M m	...	...	10·150	- 27·051	- 3	m	...	...	17·999	- 35·542	- 4	m	...
...	0·148	+ 45·872	- 4	M m	...	...	10·162	+ 12·643	- 5	m	...	...	18·082	- 42·920	- 4	m	...
...	0·171	+ 30·232	- 5	M m	...	...	10·210	+ 40·484	- 5	m	...	...	18·294	+ 24·994	- 4	m	...
...	+ 0·453	+ 38·637	0·70	M	...	...	+ 10·857	+ 19·083	- 4	m	...	...	+ 18·492	- 29·664	- 4	m	...
...	0·499	+ 32·112	0·65	M	...	*	10·912	+ 42·503	0·95	46·9698	10·1	...	18·657	- 58·397	- 2	...	...
...	0·706	+ 2·736	- 5	M m	...	...	11·011	- 25·843	- 2	...	...	...	18·844	- 15·063	- 3	...	...
...	0·859	+ 7·496	- 4	M m	...	...	11·182	- 10·961	- 4	m	...	...	18·995	- 21·807	0·80	...	...
...	0·892	- 40·400	0·70	...	...	...	11·214	- 57·398	- 4	m	...	...	19·049	- 46·368	- 3	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
541-600																		
54 ⁱ	+19°32'	-55°447	0°75	o	...	601	+27°736	-11°477	1°00	47.9259	10°1	661	+35°376	-36°352	-5	m	...	
...	19°547	-53°464	-3	...	...	S *	27°859	-39°157	3°00	47.9260	7°8	*	35°879	+47°558	0°90	...	...
...	19°565	+45°299	-5	m	...	...	27°932	+34°515	0°75	...	...	...	36°192	+4°365	-5	m	...
...	19°849	-57°020	-1	...	...	*	27°987	-35°257	1°00	...	...	...	36°237	+22°577	-5	m	...
...	19°884	+35°494	-5	m	...	...	28°245	-48°566	-5	m	...	...	36°263	-10°730	-5	m	...
...	+19°957	+31°939	0°70	...	...	...	+28°266	+36°024	-3	m	...	...	+36°325	+39°830	-2	a	...
*	19°973	-43°499	-4	m	...	...	28°273	-37°149	-5	m	...	...	36°463	-24°776	0°90	47.9262	10°1
20°288	+0°585	0°95	...	...	*	28°553	-32°216	1°00	...	...	...	36°540	+1°905	-5	m	...	
...	20°325	-34°055	-4	m	...	...	28°872	-12°611	0°70	...	...	...	36°588	+5°407	-4	m	...
...	20°426	-11°030	-4	m	...	...	28°935	+27°784	-5	m	...	*	36°686	-28°550	1°00	47.9263	10°0
55 ⁱ	+20°791	-36°076	-5	m	...	611	+28°941	+58°026	-2	...	...	671	+37°077	+10°221	-1	...	...
...	20°897	+36°431	0°85	...	...	...	29°103	-23°086	-5	m	...	*	37°223	-26°200	1°20	47.9264	9°4
...	21°038	-41°393	-4	m	...	...	29°127	+39°804	-2	a	...	...	37°320	-11°726	-5	m	...
...	21°511	-26°650	0°70	...	...	...	29°306	+36°758	-4	m	...	...	37°322	-8°844	-5	m	...
...	21°536	-22°830	-4	m	...	...	29°499	+56°133	-3	m	...	...	37°380	+24°847	-5	m	...
...	+21°589	+7°211	-2	a	...	...	+29°535	+17°412	0°90	...	...	...	+37°551	-8°864	-4	m	...
...	21°670	-21°143	0°75	...	...	†	29°775	-55°489	-3	m	...	...	37°656	-1°028	-4	m	...
...	21°689	+12°598	0°80	...	...	...	29°844	+17°285	-4	m	...	...	37°675	+22°280	-3	m	...
...	21°790	-46°087	-5	m	...	...	30°150	-52°805	-3	m	...	...	37°728	+32°515	-4	m	...
...	22°062	-18°043	-3	m	...	...	30°158	+35°428	-5	m	...	...	37°802	+56°541	-3	m	...
56 ⁱ	+22°435	-32°210	-5	m	...	621	+30°198	+56°076	-2	...	...	681	+38°145	+11°741	0°70	...	...
*	22°630	+24°525	1°80	46.9702	9°0	...	30°535	+13°697	-3	...	...	...	38°299	-22°451	-4	m	...
...	22°694	-13°776	-4	m	...	...	30°663	+53°784	-4	m	...	...	38°366	+25°697	-2	a	...
...	22°880	+31°756	-3	m	...	...	30°694	+54°519	-4	m	...	...	38°391	+30°551	-1	...	...
*	22°983	+57°334	1°35	46.9703	9°4	...	30°870	+29°027	0°80	...	...	...	38°520	+40°904	-4	m	...
*	+23°199	+22°994	1°50	46.9704	9°0	...	+31°040	+58°700	-4	m	...	...	+38°572	+14°119	0°75	...	...
...	23°365	-48°907	-5	m	...	...	31°058	-28°609	-3	m	...	...	38°692	+4°358	-2	...	...
...	23°586	+24°578	-2	b	...	...	31°160	+2°829	-1	...	...	*	38°705	-40°072	0°85	...	...
...	23°635	-36°641	0°70	...	...	...	31°610	-43°198	-5	m	...	...	38°765	-57°874	-4	m	...
S *	23°744	+52°973	1°55	46.9706	8°6	...	31°628	-1°309	-5	m	...	...	38°936	-51°882	-2	b	...
57 ⁱ	+23°840	+56°177	1°30	46.9705	10°0	...	631	+31°997	+40°715	-2	691	+39°034	-48°662	-5	m	...
...	23°937	+56°687	-2	...	...	...	32°018	+53°490	-1	...	...	...	39°243	+11°297	-4	m	...
...	24°044	+36°596	-2	a	...	...	32°018	+2°402	-5	m	...	...	39°576	+35°306	-1	...	...
...	24°075	-52°117	0°90	...	...	...	32°240	+31°479	-1	...	...	...	39°584	-45°965	-5	m	...
...	24°082	-2°768	-3	m	...	...	32°253	-56°875	-2	...	...	...	39°827	+58°873	-4	m	...
*	+24°202	-55°095	1°15	47.9256	9°8	...	+32°317	-23°455	-5	m	...	...	+39°893	-46°294	0°90	a	...
*	24°544	-53°890	1°20	47.9257	9°4	...	32°616	+35°661	-4	m	...	...	40°025	-25°964	-5	m	...
...	24°549	-19°235	0°75	...	*	...	32°754	+13°743	0°90	...	...	...	40°068	+18°428	-5	m	...
...	25°393	+10°416	-3	m	...	...	32°808	+25°236	-3	m	...	...	40°076	+8°788	-5	m	...
...	25°514	-35°445	-5	m	...	...	32°897	-52°961	-4	m	...	S *	40°353	-21°778	1°30	47.9265	9°2
58 ⁱ	+25°742	-10°504	-2	...	*	641	+32°907	-31°063	0°80	...	...	701	* +40°964	-36°921	1°00	47.9266	10°1
...	25°824	+52°702	-5	m	...	...	33°261	+26°426	-3	m	...	...	40°985	+15°578	0°70	...	...
...	25°829	-55°776	0°85	...	...	...	33°531	+42°251	-4	m	...	...	41°284	-15°644	-2	b	...
*	25°899	-47°870	0°95	...	...	...	33°573	-17°831	-4	m	...	...	41°383	-28°125	-4	m	...
...	26°063	-48°344	-4	m	...	*	33°625	-41°833	1°10	47.9261	9°4	...	41°404	+50°779	-5	m	...	
...	+26°124	+53°411	-2	...	...	...	+33°786	-26°246	-3	m	...	...	+41°463	-2°022	-2	m	...
...	26°191	+13°237	-5	m	...	...	34°026	+26°323	0°70	...	...	...	41°611	+19°005	-5	m	...
...	26°215	+8°168	-5	m	...	...	34°072	-16°395	-4	m	...	...	41°703	-5°429	-5	m	...
...	26°231	+24°420	-3	m	...	...	34°242	+3°138	-3	m	...	...	41°753	-47°425	0°90	a	...
...	26°304	+47°712	-5	m	...	...	34°368	-56°867	-2	...	...	...	41°766	+38°482	-3	m	...
59 ⁱ	+26°509	-6°866	-3	m	...	651	+34°464	+9°936	0°90	46.9707	10°1	*	+41°819	+11°881	1°00	...	...
...	26°565	-52°997	0°70	...	...	...	34°476	-27°748	-2	b	...	...	41°825	-44°058	-5	m	...
...	26°585	-2°896	-1	a	...	*	34°503	-22°844	0°85	...	...	...	41°909	-33°595	-2	b	...
...	26°687	+22°793	-4	m	...	...	34°559	+26°195	-4	m	...	...	41°918	-29°421	0°85	...	...
*	27°036	-57°238	1°10	47.9258	10°1	+	34°707	-40°810	0°90	...	...	...	42°234	-36°100	-3	m	...
...	+27°385	+41°370	-2	b	...	+	+34°708	+11°128	1°60	46.9708	8°5	...	+42°303	+23°711	-5	m	...	
...	27°561	-41°256	-4	m	...	...	34°870	-20°255	-4	m	...	...	42°380	-37°870	0°75	...	...
...	27°618	+10°429	-3	m	...	...	34°948	-21°864	-5	m	...	...	42°474	+3°130	0°70	...	...
...	27°621	-41°955	-2	m	...	...	35°232	-12°648	-4	m	...	...	42°493	-53°953	-2	b	...
...	27°623	-31°405	-4	m	...	...	35°337	+8°344	-4	m	...	*	42°544	-41°397	0°95	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
721-760																			
721	+42°663	-40°301	0°75	o	a	...	761	+47°894	+48°351	-4	o	m	...	801	+55°157	+21°560	-5	o	m
...	42°766	+43°991	1°00	...	...	...	...	48°164	-9°412	-3	m	...	...	...	55°326	-27°333	-4	m	...
...	42°816	+49°539	-4	m	...	*	...	48°175	-48°349	1°00	47.9270	10°1	...	...	55°416	-1°475	-4	m	...
...	43°083	-21°450	-5	m	...	*	...	48°242	-18°941	1°00	47.9269	10°0	...	...	55°592	-30°642	-5	m	...
+	43°188	+35°075	0°90	...	...	...	...	48°656	-23°177	0°75	...	...	...	...	55°735	-53°964	-3	m	...
*	+43°215	-34°846	1°30	47.9267	9°2	...	...	+48°710	-22°984	0°85	...	...	...	...	+55°895	+21°326	-4	m	...
*	43°270	-32°668	1°05	47.9268	9°8	...	...	48°714	+1°853	-1	b	...	...	...	55°987	-24°011	-1	a	...
...	43°272	+40°096	-3	m	...	...	...	48°888	-54°345	-5	m	...	N†	56°065	+55°074	1°00	d	...	
...	43°289	+21°779	-4	m	...	...	...	49°114	-7°995	-5	m	...	...	...	56°310	+17°550	-5	m	...
...	43°500	-36°019	-4	m	...	...	...	49°417	+40°203	-2	a	...	...	...	56°324	+58°480	-5	m	...
731	+43°654	-54°344	-5	m	...	*	771	+49°505	+0°294	1°90	47.9271	9°0	...	...	+56°370	+16°777	-5	m	...
...	43°752	+36°953	-4	m	...	...	...	49°536	+23°219	0°85	...	...	...	...	56°385	+59°841	-3	...	...
...	43°777	+52°320	-5	m	...	†	...	49°672	-43°843	0°70	...	...	...	...	56°403	+23°503	-4	m	...
...	43°956	+6°354	-2	m	...	...	...	50°001	-27°145	-3	m	...	...	...	56°496	-11°670	0°65	...	...
...	43°966	-4°691	-4	m	...	...	...	50°074	+3°757	-5	m	...	...	...	56°719	+36°183	-3	m	...
...	+44°030	-21°753	-5	m	...	...	...	+50°223	+29°813	-4	m	...	*	...	+56°747	-25°735	1°10	47.9276	10°0
S †	44°554	-56°426	1°05	...	...	...	...	50°337	+41°882	-2	a	...	...	...	56°950	-31°272	-4	m	...
44°802	+13°122	3°00	46.9710	7°7	*	...	50°477	-36°233	1°10	47.9272	9°7	...	...	57°221	-57°675	-3	m	...	
†	44°900	-39°810	0°70	...	...	...	50°647	+28°013	-2	...	...	...	...	57°254	+6°192	-4	m	...	
...	44°968	-13°421	-5	m	...	...	50°701	-43°210	-2	...	...	...	...	57°346	+35°202	-1	...	...
741	+45°069	-33°998	0°80	b	...	781	...	+51°036	+16°343	-3	m	...	...	821	+57°399	-7°968	-3	m	...
...	45°135	-42°689	0°85	...	...	S *	...	51°096	-5°684	1°00	47.9273	9°7	...	...	57°556	+13°030	-3	m	...
...	45°139	-56°536	-5	m	...	...	...	51°174	+22°387	-5	m	...	*	...	57°621	-14°670	0°90	...	...
...	45°167	+8°971	-3	m	...	...	...	52°023	+25°498	-5	m	...	...	...	57°685	-32°858	-5	m	...
...	45°471	-26°683	0°70	a	...	*	...	52°050	-32°011	1°00	47.9274	10°1	...	...	57°758	+29°468	-3	m	...
...	+45°542	-29°599	-5	m	...	...	...	+52°878	-45°901	-2	...	...	...	...	+57°799	-29°598	-4	m	...
...	45°915	-44°237	-4	m	...	...	...	52°952	-8°298	-2	...	...	...	...	57°882	+29°471	-5	m	...
...	46°048	-18°848	-5	m	...	*	...	53°071	+33°228	0°85	...	...	...	...	58°690	+27°791	-3	m	...
...	46°079	+32°852	-2	a	...	...	...	53°810	+43°264	-2	...	...	...	...	58°819	+37°101	-5	m	...
...	46°466	-18°256	-5	m	...	...	...	53°864	-21°458	-2	...	...	...	...	59°262	+24°738	-4	m	...
751	+46°474	-9°254	-4	m	...	...	791	+53°935	+47°493	-3	m	...	...	831	+59°295	+11°809	-2	...	...
...	46°490	-48°447	-4	m	...	*	...	54°342	-8°920	0°90	47.9275	10°1	...	...	59°347	+23°847	-4	m	...
*	46°609	-46°087	1°00	...	...	...	...	54°397	-33°559	-4	m	...	...	...	...	...	...	...	...
...	46°647	-27°566	-2	a	...	...	...	54°565	+6°440	0°65	...	...	...	...	...	...	...	...	...
...	46°747	+31°387	0°85	...	...	†	...	54°694	-15°069	-5	m	...	...	...	...	...	...	...	...
...	+46°908	+36°920	-4	m	...	...	...	+54°757	+34°495	-2	...	...	...	...	...	...	...	...	...
...	47°056	-42°953	-4	m	...	...	...	54°775	+44°884	-5	m	...	...	...	...	...	...	...	...
...	47°067	-8°627	-5	m	...	...	...	54°879	+24°190	-4	m	...	...	...	...	...	...	...	...
...	47°119	-24°563	-3	m	...	*	...	54°898	+5°072	-2	...	...	...	...	...	...	...	...	...
...	47°424	-13°954	-5	m	...	...	...	55°065	-33°190	-2	...	...	...	...	...	...	...	...	...

808. Var.

1-10				11-20				21-30									
1	-58°458	-41°635	-4	...	*	-52°340	+0°234	1°40	47.9271	9°0	...	21	-45°482	-11°495	-5	...	
*	58°026	-32°901	1°00	47.9268	9°8	...	52°623	-48°413	-4	47.9270	10°1	...	44°784	-25°541	1°00	47.9276	10°0
*	58°018	-35°074	1°30	47.9267	9°2	...	51°267	-43°851	-5	...	...	...	44°265	-14°461	-4	...	...
S *	57°928	+12°909	2°80	46.9710	7°7	S *	51°061	-5°687	1°05	47.9273	9°7	...	43°606	+46°623	-1	46.9711	9°9
...	55°971	-56°611	-4	...	...	...	50°711	-36°233	1°00	47.9272	9°7	...	42°712	+30°496	-5	...	...
...	-54°261	-46°211	-5	...	...	...	-50°336	+33°267	-5	...	...	...	-41°974	+50°791	-5	...	...
...	53°561	+23°152	-5	...	...	...	49°266	-31°965	-4	47.9274	10°1	...	41°883	-13°538	-3	...	...
*	53°489	-19°017	1°00	47.9269	10°0	...	49°120	-8°243	-5	...	...	...	41°805	+38°241	-5	...	...
...	52°947	-23°251	-5	...	...	...	47°991	+6°534	-5	...	...	...	41°580	+50°169	-4	...	...
...	52°897	-23°051	-5	...	...	...	47°721	-8°818	-1	47.9275	10°1	...	41°196	+23°911	-4	...	...

L measured from 1, 113.
C , , , 64, 180.

Images of faint stars diffused.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-5.	No.	Mag.		x.	y.	5.	No.	Mag.		x.	y.	-5.	No.	Mag.	
31-90						91-150						151-210						
31*	-40° 928	-21° 390	1° 30'	47.9277	9.4	91†	-14° 560	+ 5° 418	- 5	...	...	151	+18° 450	-36° 464	- 5	...	...
...	40° 225	-28° 097	- 5	...	...	S *	13° 354	-52° 934	1° 35'	47.9293	9.2	...	18° 622	+33° 765	- 5	...	...
*	39° 957	-27° 174	1° 10'	47.9278	9.9	...	12° 529	+14° 346	- 5	...	...	...	18° 815	- 6° 156	- 4	47.9304	10.1
S *	39° 930	+19° 246	2° 40'	46.9712	8.0	...	12° 261	-36° 454	- 5	...	...	...	19° 952	+12° 348	- 4	...	...
...	39° 279	+ 6° 268	- 4	...	...	...	10° 151	- 1° 526	- 4	...	...	...	20° 143	+38° 218	- 5	...	...
...	-38° 704	-10° 648	- 5	...	...	...	- 9° 763	+44° 555	- 5	...	...	...	+20° 177	+ 6° 297	1° 10'	46.9732	9.6
...	38° 622	- 6° 314	- 5	...	...	S ‡	9° 552	+31° 130	3° 00'	46.9723	7.6	...	20° 394	+ 2° 558	1° 00'	47.9305	9.7
...	38° 606	- 8° 477	- 2	...	...	...	9° 137	+25° 711	- 4	...	...	...	20° 903	+24° 343	- 5	...	...
...	38° 351	-15° 131	- 5	...	...	...	8° 637	-47° 980	- 5	...	...	...	21° 251	+15° 227	- 5	...	...
...	37° 648	-46° 540	- 5	...	...	...	7° 908	+54° 587	- 5	...	...	...	21° 487	+ 7° 246	- 5	...	...
41	101						161						171					
...	-37° 457	-16° 865	1° 00'	47.9279	10.1	...	- 7° 420	-50° 238	- 5	...	...	...	+22° 274	+39° 033	- 5	...	...
...	36° 709	+58° 632	- 1	46.9713	10.0	*	7° 392	-42° 649	1° 05'	47.9294	9.7	...	22° 969	- 52° 530	- 5	...	...
...	36° 249	+ 2° 693	- 5	...	...	*	6° 391	+41° 237	1° 60'	46.9724	9.0	...	23° 348	+28° 498	- 5	...	...
...	36° 245	+48° 304	- 5	...	...	...	6° 276	-20° 117	- 5	...	...	...	23° 777	+30° 947	- 1	46.9733	10.1
...	36° 098	- 6° 552	1° 30'	47.9281	9.4	...	5° 791	+38° 201	- 2	46.9725	10.0	*	25° 169	+25° 557	1° 05'	46.9734	9.7	
...	-35° 888	+10° 752	- 4	...	...	...	- 4° 297	+38° 787	- 1	46.9726	10.1	...	+25° 882	-50° 363	- 1	47.9306	10.1
*	35° 831	-24° 360	1° 00'	47.9280	10.1	...	3° 788	+26° 983	- 5	...	...	...	26° 217	-38° 254	- 5	...	...
*	35° 689	- 6° 560	1° 30'	47.9282	9.4	...	2° 096	-46° 676	- 4	...	...	...	26° 865	+ 2° 561	- 5	...	...
N [	35° 419	+39° 747	- 4	...	...	*	1° 462	+15° 214	0° 95	46.9727	9.8	...	27° 475	+58° 762	- 5	...	...
...	34° 918	+56° 663	- 4	46.9714	10.1	*	1° 256	-35° 939	1° 00'	47.9295	9.9	...	27° 492	+55° 113	- 5	...	...
51	111						171						181					
...	-33° 823	+ 7° 306	- 5	...	...	...	- 1° 007	+43° 656	- 4	...	...	*	+27° 830	+44° 772	1° 10'	46.9735	9.8
†	33° 264	-44° 748	- 2	47.9283	10.0	...	- 0° 281	+17° 609	- 5	...	...	*	27° 832	+14° 395	1° 00'	46.9736	9.9
...	33° 260	+36° 443	- 4	46.9715	10.1	*	+ 1° 234	+38° 459	1° 00'	46.9728	10.0	...	28° 544	+ 8° 912	0° 90'	46.9737	10.1	
...	33° 257	+14° 933	- 3	...	...	S *	1° 318	-32° 020	1° 40'	47.9296	9.2	S *	28° 681	+26° 006	2° 00'	46.9738	8.6
...	32° 845	-17° 906	- 1	47.9285	9.9	...	1° 451	+21° 333	- 5	...	...	S *	28° 692	-51° 826	2° 10'	47.9307	8.6
...	32° 673	-35° 722	- 1	47.9284	10.1	...	+ 1° 829	+41° 730	- 5	...	...	...	+29° 669	+28° 530	- 5	...	...
...	32° 258	- 5° 011	- 4	...	...	...	4° 535	-48° 036	- 4	...	...	...	29° 947	+16° 257	- 2	...	...
*	31° 893	+19° 389	1° 20'	46.9716	9.4	...	4° 557	-19° 302	- 5	...	...	...	30° 074	-37° 415	- 4	47.9308	10.1
...	31° 562	-53° 986	- 5	...	...	...	4° 615	- 9° 906	- 5	...	...	...	30° 258	-16° 642	- 2	...	...
*	31° 468	- 3° 519	1° 10'	47.9286	9.4	...	4° 805	+35° 492	- 5	...	...	...	30° 658	-19° 738	- 4	...	...
61	121						181						191					
S *	-30° 780	+42° 367	- 4	...	...	+	5° 116	- 6° 265	- 4	...	...	†	+32° 370	+15° 193	- 1	46.9739	9.9
...	30° 122	-47° 175	1° 40'	47.9287	9.4	S *	5° 579	+ 0° 932	3° 00'	47.9297	7.8	...	32° 971	+35° 325	- 5	...	...
...	29° 724	+12° 274	- 1	46.9717	10.0	...	5° 886	+30° 608	- 1	46.9729	10.0	...	33° 040	+34° 353	- 1	46.9740	9.9	
*	28° 718	+44° 916	1° 10'	46.9718	9.7	...	6° 125	+43° 848	- 4	...	...	*	33° 114	+ 9° 900	1° 00'	46.9741	9.8
...	28° 036	-46° 005	- 2	...	...	*	6° 178	-25° 429	1° 00'	47.9298	9.8	...	33° 169	-23° 725	- 5	...	...
...	-26° 621	-42° 237	- 5	...	...	+	6° 360	+53° 155	- 5	...	...	†	+33° 386	+60° 016	- 5	...	...
...	26° 457	-13° 643	- 3	47.9288	10.1	...	7° 050	-48° 401	- 5	...	...	...	34° 382	-16° 250	- 5	...	...
...	26° 305	+49° 709	- 5	...	...	...	7° 475	-11° 314	- 5	...	...	...	34° 651	-36° 603	- 5	b	...
...	26° 195	+21° 463	- 5	...	...	...	8° 698	+25° 697	- 4	...	...	...	34° 863	+38° 383	- 5	...	...
...	25° 361	+11° 741	- 5	...	...	*	9° 355	-18° 337	1° 25'	47.9299	9.4	*	35° 156	- 5° 110	1° 40'	47.9309	9.0
71	131						191						201					
...	-24° 297	+ 1° 314	- 4	...	...	*	+ 9° 975	-18° 686	1° 00'	47.9300	9.4	...	+36° 066	-13° 988	- 5	...	...
*	23° 369	+38° 026	1° 10'	46.9719	9.7	...	10° 748	+23° 064	- 5	...	...	...	36° 621	-58° 885	- 5	...	...
...	22° 694	-25° 085	0° 65	47.9289	10.0	...	12° 113	-24° 884	- 5	...	...	...	36° 816	- 9° 852	- 4	...	...
...	22° 125	+36° 075	- 5	...	...	...	12° 539	+16° 996	- 1	...	...	*	37° 153	-25° 298	1° 25'	47.9310	9.4
...	21° 407	-22° 171	- 5	...	...	...	12° 811	-44° 824	- 4	...	...	*	37° 450	+28° 236	2° 20'	46.9742	8.8
...	-20° 686	-43° 861	- 3	47.9290	10.1	...	+13° 099	-10° 039	- 3	...	...	...	+37° 926	+ 3° 718	- 5	...	...
...	20° 341	+24° 623	- 5	...	...	...	13° 201	+19° 224	- 5	...	...	...	38° 506	-59° 339	- 5	...	...
...	20° 336	-33° 966	0° 90	47.9291	9.9	...	13° 478	-57° 430	- 4	...	...	S ‡	40° 157	+37° 600	2° 60'	46.9743	8.0
*	19° 910	-41° 090	1° 40'	47.9292	9.4	N * [	13° 528	+53° 654	1° 15'	46.9730	9.4	...	40° 207	-15° 994	- 4	...	...
...	19° 414	+30° 965	1° 00'	46.9720	10.1	...	13° 794	-45° 795	- 5	...	...	...	40° 693	- 8° 048	- 4	...	...
81	141						201						211					
...	-18° 374	+ 7° 194	- 5	...	...	+	14° 814	-28° 294	- 5	...	...	*	+40° 952	+33° 311	1° 20'	46.9744	9.4
...	18° 126	- 4° 524	- 5	...	...	...	15° 044	-40° 459	- 5	...	...	...	41° 782	-34° 010	- 4	...	...
...	17° 826	+ 7° 338	- 4	...	...	*	15° 135	-18° 849	1° 10'	47.9301	9.4	...	41° 880	-23° 486	- 5	...	...
...	17° 644	-59° 440	0° 65	48.10184	10.0	...	16° 039	+35° 903	- 5	...	...	...	41° 980	+37° 010	- 5	...	...
...	16° 742	+45° 555	- 5	...	...	...	16° 125	-54° 341	- 5	...	...	...	42° 026	-27° 482	- 4	a	...
...	-16° 537	-41° 061	- 5	...	...	*	+16° 271	-49° 881	1° 10'	47.9							

- 47°

No. 117

RECTANGULAR CO-ORDINATES.

1900.69

19^b 25^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
211-230																	
211	+44°707	-36°836	0°80	47.9312	10°1	231	+51°516	+36°699	-4	...	...	...	...	...	...	...	...
...	44°755	+0°500	-5	...	...	...	51°548	+5°192	-5	...	...	...	...	...	...	...	...
...	44°760	+46°521	-3	46.9746	10°1	...	52°312	+5°774	-3	...	...	...	...	...	...	...	...
†	44°784	+20°206	-3	...	...	n *	52°337	+0°704	1°40	47.9318	9°0	...	...	...	...	...	...
...	45°017	+10°577	-5	...	...	n *	52°545	+0°625	1°05	47.9318	9°0	...	...	...	...	...	...
...	+45°576	-4°621	0°90	47.9313	10°0	...	+52°805	-34°919	-5	...	...	...	...	...	...	...	...
*	46°065	-6°674	1°00	47.9314	9°8	...	52°941	+8°703	-3	...	...	...	...	...	...	...	...
...	47°701	-40°583	-4	...	...	...	53°325	+44°832	-4	...	...	...	...	...	...	...	...
...	48°080	-52°536	-5	...	...	...	54°935	+9°975	-5	...	...	...	...	...	...	...	...
...	48°273	+31°517	-5	...	...	...	55°049	+41°589	-5	...	...	...	...	...	...	...	...
221	+48°584	-57°252	-5	...	...	...	+55°419	+40°535	-5	...	...	...	...	...	...	...	...
...	49°030	-58°699	-5	...	...	...	56°150	-3°170	-5	...	...	...	...	...	...	...	...
...	49°285	-4°009	-4	...	...	*	56°371	+17°192	1°20	46.9749	9°6	...	...	...	...	...	...
*	49°521	-1°778	1°20	47.9315	9°4	...	56°720	+31°427	-5	...	...	...	...	...	...	...	...
...	49°577	-8°574	-5	...	...	...	58°082	-13°147	-5	...	...	...	...	...	...	...	...
...	+50°154	-59°079	-4	48.10211	10°2	...	+58°326	+4°470	-5	...	...	...	...	...	...	...	...
S †	50°290	-44°972	2°20	47.9316	8°7	...	59°303	+10°715	-3	46.9751	10°1	...	...	...	...	...	...
S *	50°354	+26°391	2°55	46.9747	8°4	...	59°305	-36°468	-2	47.9319	10°1	...	...	...	...	...	...
S *	50°949	+26°962	2°40	46.9748	8°4	...	59°590	+47°097	0°90	46.9750	9°6	...	...	...	...	...	...
S *	51°278	-27°421	1°55	47.9317	9°0	...	...	...	...	...	...	...	...	...	...	...	...

234, 235. C.P.D., suspected double.

- 47°

No. 118

D,-3

1900.71

19^b 35^m

1-30						31-60						61-90					
1	-59°454	-34°307	-4	°	...	n *	-49°796	+0°659	1°00	°	...	61	-36°428	-22°318	-5	°	...
...	59°439	-16°226	-4	...	...	...	48°604	+41°687	-5	...	...	α †	36°042	-0°171	1°00	47.9322	9°8
...	59°042	+46°288	-2	46.9746	10°1	...	48°398	-34°868	-3	...	...	...	35°544	-47°131	0°90	47.9321	10°0
...	58°362	+21°822	-5	...	...	...	48°174	+40°638	-5	...	...	...	35°444	-33°079	-4	...	...
...	58°283	+36°027	-5	...	...	...	47°703	+10°080	-4	...	...	...	35°213	+14°349	-3	...	...
...	-58°192	+19°977	-4	...	...	†	-47°022	+44°697	-5	...	...	S *	-34°924	-44°488	1°60	47.9323	8°5
...	58°060	-30°575	-4	...	...	...	46°591	+31°581	-4	...	...	...	34°474	+33°673	-3	...	...
S *	57°850	-6°677	1°80	47.9311	8°5	...	46°571	+19°544	-5	...	...	*	32°643	-14°698	0°90	47.9324	10°1
...	57°579	+0°296	-5	...	...	*	46°490	+17°338	1°00	46.9749	9°6	...	32°142	+22°156	-5	...	...
*	56°584	-4°801	1°00	47.9313	10°0	...	46°202	-47°503	-5	M	...	...	31°889	+25°481	-2	...	...
11	-56°438	-37°028	1°00	47.9312	10°1	...	-46°073	-3°016	-5	...	...	71	-31°591	+18°038	1°40	46.9757	9°2
*	56°034	-6°837	1°00	47.9314	9°8	*	44°244	+47°340	1°05	46.9750	9°6	...	31°523	-25°732	-5	...	...
...	55°050	+31°416	-5	...	...	...	44°144	+4°692	-4	...	...	...	31°286	+30°705	-2	46.9758	10°1
...	53°333	-40°676	-4	...	...	...	43°804	-12°931	-4	...	...	...	31°162	-48°066	-5	M	...
...	52°912	-4°068	-4	...	...	...	43°363	+10°967	0°90	46.9751	10°1	...	30°866	+56°633	-5	...	...
S *	-52°810	+26°362	2°00	46.9747	8°4	...	-43°259	-37°066	-5	M	...	+	30°746	+39°738	1°00	46.9759	9°8
*	52°756	-1°832	1°00	47.9315	9°4	*	42°624	+47°194	1°00	46.9752	10°0	...	29°852	-16°361	-2	...	...
...	52°546	-52°616	-4	...	...	+	42°008	+44°638	1°30	46.9753	9°2	...	29°525	+39°668	0°80	46.9760	9°7
...	52°483	-8°613	-5	...	...	...	41°842	-36°195	0°95	47.9319	10°1	*	29°368	+18°764	0°95	46.9761	9°9
*	52°232	+26°934	2°00	46.9748	8°4	...	41°474	-5°689	-5	...	...	*	28°949	-53°779	1°20	47.9325	9°4
21	-51°963	+36°690	-4	...	...	51	-41°078	+22°480	0°85	46.9754	10°1	...	28°838	+26°608	-5	...	...
...	51°894	-57°319	-5	...	...	...	40°597	+1°035	0°75	...	...	28°490	+42°872	-5	...	...
...	51°411	-58°761	-5	...	...	+	39°798	+18°854	1°00	46.9755	9°4	*	27°647	+51°544	1°10	46.9762	9°8
...	50°927	+5°190	-4	...	...	*	38°897	+5°524	1°00	46.9756	10°0	...	27°578	+35°210	-3	...	...
+	50°580	-44°988	1°40	47.9316	8°7	...	38°841	+3°724	-5	...	...	...	26°607	-44°694	0°75	47.9326	10°1
...	-50°425	+44°862	-3	...	...	...	-38°653	+45°002	-4	...	...	...	-26°343	-4°060	-5	M	...
...	50°262	-59°082	-2	48.10211	10°2	...	38°088	+8°075	-5	...	...	...	25°973	+22°082	-4	...	...
...	50°190	+5°810	0°65	...	...	...	37°958	-58°056	-5	...	...	...	25°436	-56°468	-4	...	...
S *	50°153	-27°405	1°40	47.9317	9°0	...	37°838	-16°972	-4	...	...	*	25°386	-28°878	1°00	47.9327	9°8
n *	50°006	+0°732	1°20	47.9318	9°0	*	37°060	-16°202	0°90	47.9320	10°0	*	25°281	+35°316	1°35	46.9763	9°2

L measured from 1, 106, 211.
C 54, 155, 257.

30, 31. C.P.D., suspected double.

19^b 35^m

463

- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.			
91-150																				
91	-23°122'	-49°832'	-5	° M	...	...	151	-0°245'	+10°705'	0°70	...	...	211	+20°234'	+5°774'	-5	...	...
...	22°471'	-8°160'	1°40	47.9328	8°9	*	151	0°164'	-26°464'	1°00	47.9341	9°9	...	20°741'	+11°186'	-2	46.9782	10°1		
S*	22°367'	+15°019'	1°40	46.9764	8°8	...	151	0°086'	+24°956'	-4	...	...	20°775	-59°465'	1°35	48.10238	9°2	
...	22°338'	-13°082'	-3	...	...	*	151	0°035'	-25°398'	1°00	47.9342	9°7	*	21°124'	-48°224'	1°20	47.9350	9°2
...	21°754'	-16°153'	-4	...	...	*	151	0°314'	+43°185'	1°20	46.9774	9°4	...	21°179'	-11°322'	-5	...	...
...	21°751'	+43°390'	0°65	46.9765	10°0	†	151	0°748'	+59°710'	-4	46.9775	10°1	...	21°205'	+46°101'	-3	...	...
...	21°612'	-41°028'	-3	...	...	...	151	1°129'	-17°294'	-3	...	...	...	21°533'	+18°657'	-3	...	...
...	21°592'	-52°967'	-1	47.9329	10°1	...	151	1°414'	+31°285'	-3	...	...	...	22°038'	-16°846'	-5	...	...
*	21°573'	-2°993'	1°20	47.9330	9°2	...	151	2°002'	+45°810'	-4	...	...	...	22°067'	+55°610'	-5	...	...
*	21°358'	-19°104'	1°00	47.9331	10°1	...	151	2°012'	+4°954'	-5	...	...	...	22°534'	+27°487'	-5	...	...
101	* -21°342'	+14°240'	1°00	46.9766	9°8	...	161	+2°658'	-37°093'	-5	...	...	...	+22°584'	-8°630'	0°85	47.9351	10°0
...	20°819'	-34°236'	-3	...	...	...	161	2°861'	-1°011'	-4	...	...	...	22°766'	-3°963'	-3	...	...
...	20°476'	-23°096'	-5	M	...	...	161	3°415'	-57°851'	-2	...	...	...	22°952'	+23°296'	0°75	46.9783	10°1
...	19°896'	-25°260'	-4	...	...	...	161	3°612'	+44°908'	-3	...	...	...	24°061'	+30°316'	-5	...	...
...	19°871'	-59°757'	0°65	...	...	...	161	3°657'	+3°524'	-5	M	...	*	25°466'	+22°922'	1°00	46.9784	9°4
...	-19°573'	+41°286'	-4	...	...	...	161	+3°862'	-31°757'	-3	...	...	...	+25°662'	-31°135'	-4	...	...
...	19°479'	-59°707'	-4	A	...	...	161	3°883'	-13°772'	-5	...	...	...	26°235'	-5°444'	-5	...	...
*	19°109'	+49°172'	1°00	46.9767	9°8	...	161	3°910'	+9°583'	-3	...	...	...	26°580'	+8°254'	-4	...	...
...	18°597'	-22°786'	-3	...	...	...	161	4°748'	+43°213'	2°60	46.9776	8°0	...	27°332'	+35°885'	-4	...	...
+	18°359'	+4°932'	1°15	46.9768	9°0	...	161	4°825'	+19°617'	-4	...	...	...	27°756'	-54°713'	-4	47.9352	10°1
III	-17°683'	-32°768'	-5	171	+6°009'	-28°766'	-5	231	S*	+27°779'	-56°303'	1°80	47.9353	8°5
*	17°662'	-41°834'	1°05	47.9333	9°4	...	171	6°586'	+16°040'	-5	...	...	...	27°968'	+18°766'	-5	...	...
...	17°427'	-31°708'	-2	...	...	...	171	6°940'	+24°964'	-5	...	...	...	28°266'	-42°614'	0°90	...	...
*	17°410'	-55°488'	1°00	47.9332	10°0	...	171	7°072'	-24°090'	0°70	...	...	...	28°794'	+8°656'	-4	...	...
...	16°822'	-17°824'	-4	...	...	...	171	7°148'	+20°249'	-3	...	...	*	29°009'	+17°255'	0°95	46.9785	10°1
...	-16°495'	-17°873'	-4	...	...	...	171	+7°353'	-43°618'	0°80	47.9343	10°1	...	+29°260'	+35°292'	-1	...	...
...	16°137'	+42°658'	0°80	...	...	...	171	7°709'	+3°824'	-5	...	...	...	29°671'	-1°722'	0°90	47.9354	10°1
...	16°075'	-55°571'	-4	...	...	*	171	7°818'	-31°698'	1°00	47.9344	9°7	†	30°542'	-54°820'	-4	...	...
...	15°341'	+54°201'	-4	...	...	...	171	7°955'	-12°118'	-5	M	...	...	30°723'	+35°844'	-1	...	...
...	14°304'	+36°063'	-4	...	...	...	171	8°171'	-33°529'	-5	M	...	...	31°812'	-14°412'	-2	...	...
121	-14°071'	+24°371'	0°90	181	+8°259'	-1°727'	-5	241	*	+32°689'	+37°643'	1°30	46.9786	9°4
*	13°430'	-7°130'	1°00	47.9334	9°8	†	181	9°024'	+24°861'	-3	46.9777	10°1	...	32°978'	-51°312'	-4	...	...
...	12°997'	+35°735'	-4	...	...	...	181	9°054'	+47°387'	-2	...	...	...	33°409'	-7°090'	-5	...	...
*	12°923'	+17°347'	0°95	46.9769	10°1	*	181	9°078'	+55°317'	1°20	46.9778	9°8	*	33°428'	-28°880'	1°35	47.9355	8°8		
*	12°433'	+48°116'	1°05	46.9770	9°4	...	181	9°621'	+10°018'	-4	...	...	...	34°112'	+8°147'	-5	...	...
...	-11°736'	+22°938'	0°90	...	...	...	181	+10°404'	-42°880'	-4	...	...	...	+34°412'	+32°411'	-5	...	...
...	11°622'	+29°611'	0°80	...	...	...	181	11°602'	+41°082'	-5	...	...	...	34°571'	+36°033'	-4	...	...
...	10°372'	+58°209'	-1	46.9771	10°1	...	181	11°913'	+44°655'	0°65	...	...	...	34°825'	-49°700'	-5	...	...
*	10°083'	-23°375'	0°95	47.9335	9°9	*	181	12°440'	-28°837'	1°20	47.9345	9°4	...	34°883'	-7°775'	-5	...	...
...	9°639'	+33°982'	-4	...	...	...	181	12°777'	+9°729'	-4	...	...	...	35°242'	-28°133'	-5	...	...
131	-9°105'	-34°029'	-3	191	+13°096'	-20°568'	-5	251	*	+36°822'	+22°396'	-5
...	9°000'	-3°726'	0°95	47.9336	10°1	*	191	13°151'	-31°562'	0°90	47.9346	10°1	*	37°015'	-36°967'	1°00	47.9356	10°1		
...	8°485'	+52°997'	-1	...	...	*	191	13°632'	+25°765'	1°30	46.9779	9°4	...	38°570'	-24°160'	-5	...	...
...	8°145'	-31°004'	-2	...	...	...	191	13°654'	+34°072'	-5	...	...	...	39°210'	-44°736'	-5	...	...
af*	7°440'	+0°098'	1°00	47.9337	9°6	...	191	13°930'	-21°326'	-5	...	...	...	39°594'	+16°662'	-5	...	...
...	7°063'	-52°338'	-3	...	...	...	191	+14°087'	-15°886'	-2	47.9347	10°1	*	+39°706'	+6°064'	1°00	46.9788	9°9
...	6°320'	+25°902'	-2	...	...	...	191	14°406'	+6°521'	1°40	46.9780	8°9	S*	40°202'	+34°431'	2°00	46.9789	8°4
*	6°217'	-29°582'	1°00	47.9338	9°7	...	191	14°460'	+7°867'	-4	...	...	...	40°836'	+35°886'	-3	46.9790	10°3
...	6°068'	+18°812'	-5	...	...	...	191	14°733'	+22°435'	-4	...	...	...	40°928'	+1°774'	-5	...	...
...	5°488'	+24°578'	0°90	46.9772	10°1	...	191	15°028'	-26°355'	-5	...	...	...	40°937'	+29°996'	-5	...	...
141	-5°351'	-44°095'	0°90	47.9339	10°0	...	201	+15°390'	+9°102'	-3	...	...	...	+41°543'	-20°733'	0°80	47.9357	10°1
...	5°072'	-10°289'	-5	...	...	...	201	15°553'	+21°361'	-5	...	...	*	42°571'	-16°042'	1°00	47.9358	9°7
...	4°186'	+23°387'	-5	201	S*	15°991'	-15°934'	1°60	47.9348	8°9	...	42°812'	+55°627'	-1	46.9791	9°8	
...	4°092'	+28°754'	-2	...	...	...	201	16°135'	+14°404'	0°70	...	...	...	42°844'	-46°944'	-4	...	...
...	3°287'	+17°042'	0°90	46.9773	10°1	...	201	16°911'	-47°753'	-3	...	...	...	43°245'	+58°333'	-3	...	...
...	-1°674'	-0°481'	-4	...	...	...	201	+16°923'	-16°191'	-2	47.9349	10°1	...	+43°478'	+45°818'	-4	...	...
...	1°308'	+3°428'	-5	...	...	...	201	17°895'	+22°466'	0°75	46.9781	10°1	...	44°370'	+6°289'	-5	...	...
...	1°181'	+12°955'	0°70	...	...	...	201	19°186'	-8°353'	-5	...	...	†	45°129'	-32°253'	-4	...	...
...	1°113'	-47°177'	0°90	47.9340	10°1	...	201	19°982'	+23°173'	-5	...	...	...	46°384'	+51°272'	-5	...	...
...	1°043'	-51°843'	-1	...	...	...	201	20°103'	-40°214'	-5	...	...	...	46°586'	+32°491'	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
271-280																	
271	+47.000	-46.756	-1	47.9359	10.1	281	+51.478	-53.227	-4	0	...	291	+57.279	+24.978	1.05	46.9798	9.6
...	47.533	+34.271	0.90	46.9792	10.3	...	51.678	+19.775	-2	...	...	...	57.722	-42.059	-5	...	...
...	48.086	-26.208	-4	...	...	...	51.753	+12.717	-5	...	...	*	58.027	+15.740	0.90	46.9800	9.6
...	48.733	+53.705	-4	...	...	...	51.975	-7.555	0.70	...	...	*	58.089	+15.626	1.00	46.9800	9.6
*	48.769	+8.323	1.00	46.9794	10.3	...	52.069	+4.259	-5	...	...	*	58.257	-10.549	1.00	47.9363	10.0
...	+48.890	+20.282	-5	...	...	...	+52.613	-58.908	-1	48.10258	9.8	*	+58.462	+50.141	1.10	46.9799	9.5
...	49.029	-34.242	-5	...	...	...	53.951	-27.531	-4	...	...	...	58.529	-0.101	-5	f	...
...	50.158	-54.819	-4	47.9360	10.1	...	54.925	+27.974	1.00	46.9795	9.8	...	...	...	...	...
...	51.227	-34.558	-1	47.9362	10.3	...	55.417	+51.751	-5	46.9796	10.3	...	...	...	...	...
S*	51.238	-37.510	1.30	47.9361	9.3	...	56.658	+38.868	0.80	46.9797	10.0	...	...	...	...	...

1-40					41-80					81-120							
I	-59.230	-16.310	1.10	47.9358	9.7	41	-50.375	+44.878	-4	0	...	81	-41.229	+25.120	-3	0	...
*	59.189	-39.465	-5	...	...	...	50.307	+9.094	-4	...	...	...	41.174	+31.740	-5	...	...
...	59.019	+8.611	-4	...	...	...	50.117	-17.780	-5	...	...	...	40.863	+32.088	-2	...	...
...	58.624	-20.337	-5	...	...	...	50.102	-7.525	0.80	...	...	...	40.839	-58.011	-3	...	...
...	58.168	+6.057	-4	...	...	...	49.985	-34.530	0.90	47.9362	10.3	*	39.959	+43.834	1.60	46.9803	8.5
...	-58.073	-19.207	-5	...	...	...	-49.913	+32.627	-5	M	...	...	-39.885	+59.336	-5	...	...
...	58.001	-18.922	-5	...	...	S*	49.884	-37.488	1.20	47.9361	9.3	†	39.779	-40.167	-5	...	...
...	57.967	-47.186	-3	...	...	...	49.133	-53.197	0.85	...	...	...	39.397	+11.788	0.90	46.9804	10.3
...	57.572	+51.098	-4	...	...	...	49.092	-8.410	-5	...	...	...	38.845	+5.357	-5	...	...
...	57.570	+8.955	-3	...	...	...	48.958	+32.222	-4	...	...	...	38.769	-21.294	1.00	47.9364	10.2
II	-57.302	-55.034	-4	...	...	51	-48.598	+59.034	-5	...	...	91	-38.737	+51.076	-3	...	...
...	56.770	+32.333	-3	...	...	...	48.560	+51.847	0.75	46.9796	10.3	...	38.554	-6.678	-1	...	...
...	56.144	-32.432	-2	...	...	*	48.302	+28.068	1.10	46.9795	9.8	...	38.335	-8.950	-5	...	...
...	56.118	+38.238	-5	...	...	...	48.059	-28.462	-5	...	...	...	38.283	-0.141	-5	M	...
...	55.872	+34.127	0.90	46.9792	10.3	...	47.977	-52.668	-4	...	...	*	38.007	+51.372	1.05	46.9805	10.2
...	-55.293	+53.604	-1	...	...	*	-47.819	-58.825	1.10	48.10258	9.8	...	-37.865	+57.036	-3	...	...
...	55.061	-19.212	-5	...	...	...	47.494	-27.431	-3	...	...	...	37.519	-58.220	-5	...	...
...	54.273	-2.014	-5	...	...	...	47.274	-33.040	-5	...	...	...	37.518	-37.636	-5	...	...
†	54.087	+20.204	-4	...	...	...	46.921	-56.435	-5	...	...	*	37.223	+17.640	1.00	46.9806	10.2
...	54.056	-6.359	-5	...	...	*	46.905	+39.005	1.10	46.9797	10.0	...	37.189	+11.498	-5	...	...
21	-54.007	+12.574	-5	...	...	61	-46.345	-14.132	-5	M	...	101	-36.762	-28.200	-3	...	...
...	53.921	-12.028	-5	...	...	*	45.849	+25.167	1.10	46.9798	9.6	...	36.071	-35.387	-5	...	...
...	53.836	-26.314	-5	...	...	...	45.630	-37.958	-5	...	...	...	35.411	-32.480	-5	...	...
...	53.821	-46.876	0.80	47.9359	10.1	*	45.466	+50.328	1.25	46.9799	9.5	...	35.350	-52.014	-3	...	...
*	53.819	+8.234	1.00	46.9794	10.3	...	45.424	-35.132	-5	...	...	...	35.277	-19.431	-5	...	...
...	-53.795	-9.872	-5	...	...	†	-44.818	+15.942	0.70	46.9800	9.6	...	-35.268	-53.578	-4	...	...
...	53.398	-26.292	-3	...	...	†	44.733	+15.838	0.85	46.9800	9.6	...	35.158	-6.107	-5	...	...
...	53.374	-18.588	-5	...	...	...	44.436	-9.866	-5	M	...	...	35.085	-56.207	-5	...	...
...	53.235	+9.635	-4	...	...	...	44.054	-4.158	-5	...	...	...	35.058	+5.723	-5	...	...
...	53.150	+56.275	-5	...	...	...	43.975	+51.647	-3	...	...	*	34.898	+44.581	1.40	46.9807	9.4
31	-53.085	+22.875	-5	...	...	71	-43.818	+0.127	-4	...	...	III	-34.543	-38.306	-5	...	...
...	52.771	-56.946	-4	...	...	*	43.738	-10.318	1.00	47.9363	10.0	...	33.872	-53.421	-4	...	...
...	52.198	-34.284	-4	...	...	...	43.482	-0.374	-5	M	...	...	33.848	-41.834	-5	...	...
...	51.875	-39.275	-5	...	...	...	43.268	-41.818	-3	...	...	S*	33.573	+36.289	1.90	46.9808	8.3
...	51.715	-2.833	-5	...	...	*	42.958	+38.614	1.15	46.9802	9.6	...	33.458	+24.566	-5	...	...
...	-51.272	+19.768	0.90	...	...	...	-42.866	+43.405	-5	...	...	...	-33.401	+8.245	-5	...	...
...	50.961	+12.733	-3	...	...	...	42.477	-0.551	-5	M	...	...	33.388	+8.781	-5	...	...
...	50.833	+25.768	-5	M	...	...	42.290	+31.389	-5	...	...	*	33.205	+36.563	1.35	46.9809	8.9
...	50.397	-54.813	0.75	47.9360	10.1	...	42.071	-0.668	-4	...	...	...	33.178	-27.596	-2	...	...
...	50.394	+4.279	-4	...	...	...	41.627	-18.132	-4	...	...	†	32.957	+59.994	-4	...	...

Measured by C; Standards by C and L.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		z.	No.	Mag.	x.	y.		z.	No.	Mag.	x.	y.	z.	No.	Mag.	
121-180																		
121	-32°791	+58°274	-5	o	181	-19°283	+35°686	1°10	46°9819	9°6	241	-6°432	+12°805	-5	o	...
...	32°725	+18°502	-4	19°229	-9°630	-2	6°388	+54°931	-1
...	32°509	-48°408	-5	19°125	+35°343	-5	6°200	-14°427	-5
...	32°488	+46°384	-3	19°092	-35°694	-5	6°054	+51°64	-5
...	32°195	-25°010	-4	18°412	+47°928	-5	5°753	-17°567	-4
*	-32°087	+8°326	1°15	46.9810	9°5	-18°364	-9°058	-5	-5°232	-13°890	-4
*	32°021	+18°003	1°00	46.9811	9°8	*	17°975	+45°535	1°20	46.9820	9°5	...	4°769	+34°252	-3	...	...
*	31°619	-4°365	1°10	47.9365	9°6	...	17°955	+28°182	-4	...	...	...	4°516	+27°987	-5	...	...
...	31°165	+4°511	-5	...	...	...	17°895	-18°081	-4	...	...	...	4°394	+14°254	-5	...	...
...	31°060	+52°833	-5	...	...	...	17°817	-33°877	-4	...	...	...	2°886	-43°653	0°70	47.9371	10°3
131	-31°025	+19°853	-5	191	-17°754	+42°532	-5	251	-2°728	-6°874	2°50	47.9372	7°9
*	30°452	+41°799	1°15	46.9813	9°6	...	17°386	+40°253	0°75	46.9821	10°3	...	2°704	+41°973	-2	...	...
...	30°433	+40°481	-4	...	...	...	17°339	-5°016	-5	...	...	...	2°615	-28°698	-4	...	...
...	30°317	+9°665	-1	...	...	...	17°006	+51°289	-5	...	...	...	2°438	-36°577	-4	...	...
*	30°130	+12°838	0°90	46.9812	10°2	...	16°759	+30°949	-3	...	...	...	2°349	+50°058	-4	...	...
*	-29°617	+26°857	0°90	46.9814	10°2	...	-16°434	+42°518	-5	...	...	...	-2°202	+2°318	-4	...	...
...	29°466	+54°147	-5	...	...	...	16°323	-59°307	-4	...	...	...	2°069	+28°425	-3	...	...
...	29°115	+37°867	-5	M	...	...	15°922	-25°303	-5	...	...	...	1°919	-58°356	-5	...	...
...	28°670	+43°958	0°85	...	...	...	15°835	+6°669	-3	...	...	...	1°911	-42°402	-4	...	...
...	28°532	+40°397	-5	...	...	...	15°596	-52°639	-5	...	...	...	1°737	+32°104	-5	...	...
141	-28°176	+19°240	0°65	*	201	-15°349	+29°824	1°00	46.9822	10°0	261	1°664	-28°382	-3
...	27°801	+31°635	-4	...	...	...	14°024	-43°358	-4	...	...	...	1°608	-37°669	-5	...	...
...	27°704	-57°618	-3	...	...	...	13°764	-5°072	-4	...	...	...	1°382	+22°455	-3	...	...
...	27°690	+34°847	-4	...	...	S *	13°747	+23°301	2°90	46.9823	7°2	...	0°856	+15°376	-5	...	...
...	27°656	-12°895	-5	...	...	...	13°586	+20°480	-5	...	...	...	0°840	-41°014	-5	...	...
...	-27°508	-41°275	-4	...	...	*	-13°547	+3°323	1°15	47.9368	9°6	...	-0°438	+0°351	-3	am	...
...	27°345	+7°434	-4	...	...	...	13°546	-46°845	-5	...	...	...	-0°390	+36°898	-4	...	...
...	27°062	-19°868	-4	...	...	...	13°371	-52°788	-4	...	...	...	+0°233	+54°884	-5	...	...
...	26°888	+4°435	-5	...	...	...	13°189	+11°468	-5	...	...	*	0°394	+43°862	1°30	46.9829	9°5
...	26°863	+36°856	-3	...	...	...	12°902	+32°808	-5	...	...	...	0°811	-35°937	-5	...	...
151	-26°737	-2°243	-5	211	-12°611	-22°191	-3	271	+0°816	-13°804	0°80	47.9373	10°2
...	26°413	-49°907	-5	...	...	...	12°506	+23°731	-5	...	...	...	0°898	+5°403	-1	46.9830	10°3
...	26°303	-52°594	-5	...	...	...	12°281	-32°226	-3	...	...	...	1°032	-5°576	1°00	47.9374	10°2
...	25°724	-8°372	-5	M	...	*	12°252	+16°212	1°10	46.9824	10°0	...	1°057	+46°579	-5	...	...
...	25°407	+6°176	-4	...	...	†	12°232	-9°792	-4	...	...	...	1°390	-12°956	-4	...	...
...	-25°078	+19°395	0°65	...	...	...	-12°215	+11°153	0°80	46.9825	10°2	...	+1°806	+46°668	-4	...	...
...	24°491	+58°707	-3	...	...	...	11°829	+16°311	-5	...	...	...	2°028	-42°000	1°05	47.9375	10°0
...	24°464	+9°313	-5	...	...	*	11°527	-10°652	1°25	47.9369	9°4	...	2°252	-7°505	-3	...	...
...	23°813	-23°692	-5	...	...	...	11°512	+2°115	-5	...	...	...	2°836	-39°081	0°75	...	...
*	23°367	+58°843	1°15	46.9816	10°0	...	11°423	+9°049	-5	...	...	...	2°890	-53°958	-5	...	...
161	-23°236	-27°004	0°65	221	-11°139	-2°165	-5	281	+3°024	-26°118	-5
...	22°075	-29°861	-5	...	...	...	10°941	-29°086	-5	...	...	...	3°186	+1°195	-5	...	...
...	21°995	+11°672	-4	...	...	*	10°893	+47°617	1°00	46.9826	10°3	...	3°239	+47°913	-3	...	...
...	21°212	-23°776	-4	...	...	+	10°225	+5°236	1°20	46.9827	9°3	*	3°362	-27°427	1°00	47.9376	10°0
...	21°120	+28°455	-5	...	...	...	9°768	-2°129	-5	...	...	*	3°506	-53°059	1°00	47.9377	10°2
...	-20°970	-37°892	-5	...	...	...	-9°707	-56°906	-4	...	...	...	+3°630	-0°667	-5	...	...
...	20°944	-50°297	-5	...	...	...	9°630	+50°472	-3	...	...	...	3°744	-32°383	-5	...	...
...	20°924	-48°476	3°00	47.9366	7°2	...	9°579	+31°154	-3	...	...	...	3°757	+16°153	-3	...	...
...	20°771	+14°785	-5	...	...	...	9°136	+57°022	-1	...	...	...	3°935	+0°087	-5	F m	...
*	20°616	+52°976	1°15	46.9817	9°8	...	9°004	+10°542	-1	...	...	...	4°446	-47°630	-4	...	...
171	*	-20°482	+52°217	1°00	46.9818	10°2	...	-8°851	-41°849	-5	291	+4°662	-54°632	-5
...	20°442	-33°776	0°80	...	...	*	8°525	+53°513	1°40	46.9828	8°9	...	4°738	+42°273	-5	...	...
...	20°334	-56°635	-5	...	...	...	8°212	+36°517	-3	...	...	...	4°759	-56°258	-5	...	...
...	20°223	-42°385	-4	...	...	...	8°134	+13°710	-5	...	...	*	5°524	-58°877	1°10	48.10276	9°8
...	20°192	+28°760	-5	...	...	*	7°977	-13°102	1°20	47.9370	9°5	...	6°341	-27°980	-3	...	...
*	-20°026	-29°614	0°95	47.9367	10°2	...	-7°781	+5°386	-5	...	...	...	+6°561	-13°243	-5	m	...
...	19°975	-25°816	-3	...	...	...	7°597	-0°349	-4	...	...	...	6°606	+31°932	-5	...	...
...	19°930	+11°771	-5	...	...	...	6°827	-42°152	-5	...	...	...	6°768	+8°869	-5	M	...
...	19°528	-10°685	-3	...	...	...	6°668	-55°131	-3	...	...	...	6°905	-21°576	-5	...	...
...	19°414	-42°496	-3	...	...	...	6°547	-49°081	-5	...	...	...	7°052	-34°638	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
301-360																		
301	+ 7.324	+ 7.737	- 4	o	...	...	+ 19.087	+ 12.229	- 5	o	...	...	+ 34.804	- 51.342	1.50	47.9385	8.9
...	7.520	+ 50.800	- 4	...	...	...	19.126	- 0.935	- 4	...	...	...	34.914	- 57.898	- 4	...	...
...	7.871	- 28.191	- 4	...	...	...	19.586	+ 52.433	- 5	...	...	...	34.962	- 9.104	0.70	...	...
...	7.995	- 0.636	- 5	...	...	...	19.818	- 34.984	- 5	...	...	...	34.968	- 2.369	- 5	...	...
*	8.079	+ 43.741	1.35	46.9832	9.4	†	20.021	+ 35.486	- 4	...	...	...	35.047	+ 23.150	- 4	...	...
...	+ 8.090	+ 41.915	- 5	...	...	...	+ 20.262	+ 1.339	- 4	...	...	...	+ 35.217	- 3.801	- 5	...	...
...	8.432	- 20.590	- 5	...	...	...	20.280	+ 14.032	- 1	...	...	...	35.452	+ 26.945	- 5	...	...
...	8.849	- 0.298	- 5	...	...	...	20.625	+ 13.193	- 4	...	...	...	35.711	+ 25.796	- 5	...	...
...	8.900	+ 55.941	- 5	...	...	...	21.077	+ 44.037	0.80	...	...	...	35.759	- 17.010	- 5	...	...
...	8.995	+ 2.286	- 5	...	...	...	22.991	- 2.351	- 4	...	...	...	35.766	+ 14.603	- 3	...	...
311	+ 9.013	+ 47.428	- 5	...	...	371	+ 23.440	+ 14.586	- 3	...	...	...	+ 35.999	+ 34.035	- 4	...	...
S *	9.214	- 8.036	- 2	...	...	...	23.609	- 15.350	- 5	...	...	...	36.143	+ 45.579	- 5	...	...
...	9.703	+ 22.402	2.40	46.9833	7.6	...	23.913	- 45.623	- 5	...	...	...	36.151	+ 30.429	- 4	...	...
...	10.140	- 51.467	- 5	...	...	...	24.521	+ 13.726	1.40	46.9838	9.2	...	36.570	+ 33.366	- 3	...	...
...	10.218	- 37.327	- 5	...	...	...	24.604	+ 52.990	- 5	...	...	...	36.696	+ 4.917	- 5	...	...
...	+ 10.734	+ 58.379	- 3	...	...	...	+ 25.044	+ 18.316	- 2	...	...	...	+ 36.854	- 32.382	- 5	...	...
...	10.883	- 38.112	0.70	47.9378	10.3	*	25.178	+ 30.758	1.20	46.9839	9.6	...	36.995	+ 27.733	- 4	...	...
...	11.290	- 48.706	...	...	...	...	25.526	+ 47.937	0.85	...	...	...	37.237	+ 26.650	- 5	...	...
...	11.599	- 12.335	- 5	...	...	...	25.720	+ 59.111	- 5	...	...	*	37.315	- 15.467	1.20	47.9386	9.4
...	11.894	+ 22.133	- 5	...	...	...	26.172	+ 23.112	- 5	...	...	...	37.373	+ 28.295	- 5	...	...
321	* + 12.246	+ 41.543	1.15	46.9834	9.5	381	+ 26.474	+ 59.868	- 5	...	...	...	+ 37.548	- 0.234	- 5	m	...
...	12.288	- 45.265	- 5	...	...	...	26.509	- 21.643	- 5	...	...	...	37.581	+ 2.224	- 5	...	...
...	12.416	+ 57.496	- 5	...	...	...	26.738	+ 12.548	- 3	...	...	...	37.908	- 54.209	- 4	...	...
...	12.629	+ 23.517	- 5	...	...	...	26.842	+ 2.630	- 5	...	...	...	38.080	- 31.045	- 2	...	...
...	12.715	- 11.184	- 5	...	...	...	27.020	- 54.772	- 5	b	...	...	38.164	+ 3.086	- 5	...	...
*	+ 12.761	+ 5.664	1.20	46.9835	9.6	...	+ 27.111	+ 13.090	- 5	...	...	...	+ 38.254	- 9.964	- 1	...	...
*	12.783	+ 40.559	1.00	46.9836	10.2	...	27.522	+ 42.351	- 5	...	...	...	38.257	- 21.420	- 3	...	...
...	13.100	+ 59.913	- 5	...	...	...	27.952	- 39.071	- 5	...	...	...	38.281	+ 52.505	- 5	...	...
...	13.599	- 59.368	- 3	...	...	*	27.965	+ 44.321	1.00	46.9840	10.0	...	38.371	- 45.057	- 5	...	...
...	13.639	- 38.715	- 5	...	...	...	28.128	- 53.472	- 5	...	...	*	38.419	- 59.042	1.15	48.10285	10.2
331	+ 13.657	+ 23.198	- 5	...	...	391	+ 28.220	- 50.677	- 2	...	...	...	+ 38.467	+ 47.684	- 4	...	...
...	13.827	- 26.762	- 1	...	...	...	28.339	- 14.393	- 1	...	...	...	38.469	- 44.810	- 5	...	...
...	13.950	- 7.752	- 5	...	...	...	28.603	+ 34.004	- 5	...	...	...	39.078	- 7.355	- 5	...	...
...	13.954	+ 49.122	0.85	46.9837	10.2	*	29.060	- 20.538	1.00	47.9379	10.2	...	39.162	- 37.995	- 5	...	...
...	13.959	- 18.645	- 3	...	...	*	29.160	+ 40.759	0.95	46.9841	10.2	*	39.206	- 47.068	1.20	47.9387	9.8
...	+ 14.087	+ 25.796	- 4	...	...	...	+ 29.269	+ 33.723	0.65	...	...	*	+ 39.476	- 39.243	1.40	47.9388	9.0
...	14.246	- 58.810	- 5	...	...	...	29.373	+ 7.405	- 5	...	...	...	40.161	+ 18.282	- 5	...	...
...	14.941	- 41.442	- 5	...	...	...	29.570	- 58.223	- 4	...	...	...	40.494	- 9.012	- 5	...	...
†	15.066	- 41.943	- 4	...	...	...	29.860	+ 21.929	- 5	...	...	...	40.501	- 7.039	- 3	...	...
...	15.254	+ 54.059	- 5	...	...	...	29.891	- 42.945	- 5	...	...	...	40.544	+ 51.877	- 5	...	...
341	+ 15.333	+ 0.691	- 5	401	S †	+ 30.063	- 3.291	2.00	47.9380	8.2	...	+ 40.767	- 55.394	- 5	e	...
...	15.521	+ 1.594	- 4	...	...	...	30.438	+ 31.769	- 5	...	...	...	40.821	- 55.191	- 5	...	...
...	16.144	- 59.467	0.85	...	...	...	30.726	+ 47.978	- 5	...	...	...	40.901	+ 43.299	- 4	...	...
...	16.405	+ 28.876	0.75	...	...	...	31.232	+ 9.608	0.80	46.9842	10.3	...	41.112	+ 11.103	- 5	...	...
...	16.545	- 19.847	- 5	...	...	...	31.381	- 22.442	0.65	...	...	...	41.222	+ 37.297	- 4	...	...
...	+ 16.756	- 39.629	- 3	...	...	...	31.565	+ 58.133	- 5	...	...	...	+ 41.338	- 19.686	- 5	...	...
...	16.802	- 9.144	- 5	...	...	*	31.801	- 3.773	1.10	47.9381	9.5	...	41.395	- 50.612	- 5	...	...
...	16.951	- 46.956	- 5	...	...	...	31.816	- 45.709	- 5	...	...	...	41.573	+ 30.206	- 5	...	...
...	16.995	+ 37.924	- 5	...	...	*	32.554	- 8.865	1.00	47.9382	9.6	...	41.868	+ 11.441	- 5	...	...
...	17.178	- 1.901	- 5	...	...	...	32.784	+ 30.256	- 4	...	...	*	42.052	- 18.469	1.00	47.9389	10.2
351	+ 17.406	- 45.440	- 5	411	S *	+ 32.834	+ 36.115	1.40	46.9843	8.6	...	+ 42.439	+ 12.423	- 4
...	17.442	+ 4.680	- 5	...	...	...	33.084	- 23.794	0.80	47.9383	10.2	...	42.673	+ 29.583	- 2	...	...
...	17.661	- 37.865	- 5	...	...	...	33.620	+ 16.563	- 5	...	...	...	43.178	+ 11.807	- 5	...	...
...	17.672	- 37.033	- 5	...	...	...	33.914	+ 15.499	- 3	...	...	...	43.254	- 0.725	- 4	...	...
...	17.719	+ 53.110	- 5	...	...	+	34.051	- 19.728	1.05	47.9384	9.6	...	43.431	+ 13.993	- 5	...	...
...	+ 17.785	- 45.551	- 5	...	...	...	+ 34.207	+ 50.868	- 1	...	...	*	+ 43.868	+ 46.678	1.20	46.9845	9.8
...	18.214	+ 57.415	- 4	...	...	...	34.240	+ 20.984	- 5	...	...	...	44.328	+ 52.108	- 5	...	...
...	18.434	- 27.287	0.80	...	...	...	34.432	- 22.034	- 5	...	...	*	44.391	- 15.676	1.40	47.9390	8.8
...	18.737	+ 43.642	0.75	...	...	...	34.521	- 4.447	- 5	...	...	...	44.499	- 55.470	- 1	...	...
...	18.828	+ 55.549	- 5	...	...	*	34.561	+ 7.065	1.00	46.9844	10.0	...	44.914	- 53.169	0.65	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
481-500																	
48 ¹	+44°933	-49°633	-5	o.	...	50 ¹	+48°988	+56°421	1°40	46°9846	9·4	52 ¹	+54°537	+10°213	1°35	46° 9849	8·9
†	45°081	-20°884	-5	...	...	...	49°529	+ 1°277	-5	...	...	...	54°575	+34°559	-5	...	...
...	45°229	-52°840	-5	...	...	S *	49°770	+ 8°296	1°50	46°9848	8·6	*	54°604	-34°226	1°35	47° 9398	9·2
...	45°670	-29°874	-5	...	...	†	49°923	- 8°690	-3	...	...	...	55°361	+42°835	-5	...	...
...	45°901	-23°778	-5	...	...	*	50°112	+54°811	2°00	46°9847	8·5	...	55°627	+ 4°679	-4	...	...
...	+46°955	- 7°848	-4	...	...	e *	+50°274	- 0°316	1°30	47°9393	9·0	...	+55°910	+ 9°777	-4	...	...
...	46°957	+41°675	-4	...	...	...	50°789	+14°015	-3	...	...	...	56°395	-57°883	0·85	48.10292	10·8
...	47°215	-16°906	-5	...	...	*	51°344	- 2°727	1°40	47°9394	8·8	...	56°460	-33°543	-3	...	...
...	47°238	+16°099	-3	...	...	...	51°604	+48°156	-5	...	...	...	57°174	-12°973	-2	...	...
S *	47°289	-41°545	1°40	47.9391	8·8	...	51°700	-44°008	0°90	47.9395	10·3	...	57°618	- 2°951	-5	...	...
49 ¹	+47°424	+31°285	-5	...	...	51 ¹	+51°905	-19°348	-4	...	...	S *	+58°273	+53°960	2·00	46. 9850	8·3
...	47°551	+16°829	-5	...	...	...	51°963	+58°090	-5	...	...	...	58°326	-48°361	-3	...	...
...	47°617	+44°377	-4	...	...	†	52°796	-34°713	-3	...	...	...	58°503	-17°806	-5	...	...
...	47°704	- 5°294	-5	...	...	...	52°962	+23°040	-5	e	...	...	58°515	+31°844	-3	...	...
...	47°912	+53°327	-4	...	...	...	53°615	+39°182	-5	...	...	...	58°857	-46°004	-5	...	...
...	+48°051	-27°272	-4	...	...	...	+53°735	+19°114	-5	...	...	...	+59°062	+10°371	-5	...	...
...	48°329	-48°934	-2	...	...	*	53°833	-16°537	1°05	47.9396	9·6	...	59°184	-55°841	-5	...	...
...	48°592	+29°479	-4	...	...	...	53°986	-43°868	-5	...	...	...	59°206	-15°646	-5	...	...
...	48°595	-19°984	-5	...	...	...	54°321	-26°093	-5	...	...	...	59°341	+40°711	-5	...	...
*	48°759	- 1°244	1°15	47.9392	9·6	...	54°431	-41°374	0°75	47.9397	10·3	...					

1-30						31-60						61-90					
I	-59°940	+46°416	1°00	46°9845	9·8	...	-53°409	-27°365	-4	o.	...	S *	-45°783	+54°159	2·10	46° 9850	8·3
†	59°796	-55°704	-5	E	...	†	53°091	-20°065	-4	...	...	...	44°858	+32°064	0·80	...	...
...	59°726	-55°495	-5	...	...	...	52°842	+ 1°211	-4	...	...	...	44°795	-33°359	-2	...	...
*	59°685	-18°759	1°00	47.9389	10·2	S *	52°816	+ 8°240	2°00	46°9848	8·6	...	44°755	-12°775	0·90	...	...
...	59°526	+11°532	-4	...	...	...	52°427	-49°014	1°00	...	...	...	44°640	- 2°758	-4	...	...
...	-59°344	+13°735	-5	...	...	...	-52°262	+48°139	-4	...	...	...	-44°307	-36°824	-5	M	...
...	59°304	-50°904	-5	...	...	...	52°238	+58°084	-4	...	...	...	44°304	+40°936	-4	...	...
...	59°050	- 0°984	-5	...	...	...	52°128	- 8°727	0°90	...	...	*	44°077	-57°695	1·00	48.10292	10·8
*	57°424	-15°885	1°40	47.9390	8·8	E *	52°030	- 0°346	1°40	47.9393	9·0	...	43°620	+10°589	-5	...	...
...	56°704	+41°508	-3	...	...	...	51°992	+13°993	0°75	...	...	...	43°269	-17°566	-5	...	...
II	-56°573	-21°069	-5	...	...	41	-51°991	+ 2°854	-5	M	...	71	-42°770	+18°663	0·65	...	...
...	56°222	+58°183	-5	M	...	*	50°878	- 2°712	2°00	47.9394	8·8	...	42°628	-15°388	-4	...	...
...	56°134	+44°243	-3	...	...	...	50°082	+23°088	-5	E	...	...	42°458	-48°114	0·90	...	...
...	56°123	+53°189	-4	...	...	†	49°967	+39°237	-5	...	...	...	42°375	+21°331	-5	...	...
...	56°051	-55°649	-1	...	...	...	49°824	-19°324	-2	...	...	...	42°133	+31°576	0·80	...	...
...	-55°910	+31°121	-5	...	...	...	-49°238	-43°982	1°00	47.9395	10·3	*	-42°017	+49°577	1·10	46. 9851	9·8
...	55°821	-49°822	-5	...	...	...	49°219	+19°185	-5	...	...	...	42°003	-45°726	-4	...	...
...	55°707	-53°357	-1	...	...	...	48°871	+34°632	-4	...	...	...	41°460	+52°454	-4	...	...
...	55°657	-23°935	-5	...	...	...	48°427	-34°660	0°80	...	...	...	41°429	-52°318	-5	...	...
...	55°602	+15°955	0°90	...	...	...	48°328	+42°945	-5	...	...	...	41°363	-55°561	-4	...	...
2I	-55°394	-53°011	-5	...	...	51	-48°130	+10°301	1°90	46°9849	8·9	81	-41°209	-32°665	-5	...	...
...	55°304	+16°691	-5	...	...	*	47°959	-16°435	1°05	47.9396	9·6	...	40°974	+ 8°304	-5	...	...
*	55°121	+56°325	1°70	46.9846	9·4	...	47°946	+15°404	-5	...	...	*	40°540	+27°565	0·95	...	...
...	55°109	- 7°988	0°70	...	...	...	47°176	-25°972	-3	...	...	...	40°492	+ 6°144	-5	...	...
...	54°686	+29°379	-5	...	...	...	46°945	-43°773	-5	...	...	*	40°456	-56°436	1·25	48.10296	10·2
...	-54°574	-17°039	-4	...	...	...	-46°853	+ 4°813	-2	...	...	...	-40°193	+15°801	-5	...	...
...	54°463	- 5°400	-5	...	...	†	46°732	+ 9°923	-4	...	...	*	40°189	+41°821	1·00	...	...
...	53°960	+54°757	2°00	46.9847	8·5	...	46°668	+ 2°477	-5	...	...	...	39°224	- 1°882	-5	...	...
S *	53°708	-41°645	1°65	47.9391	8·8	*	46°632	-34°115	1°40	47.9398	9·2	...	39°142	-51°830	0·90	...	...
*	53°531	- 1°323	1°10	47.9392	9·6	*	46°579	-41°247	1°00	47.9397	10·3	...	38°831	+47°727	-5	...	...

L measured from 1, 163, 315.

C " " 88, 231, 410.

Images of faint stars diffused.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.	
91-150																		
91	-38.217	+11.991	-5	o	...	151	-23.232	+11.361	-5	o	...	211	-5.381	+29.855	0.85	o	...	
...	38.183	-44.975	1.00	47.9399	10.0	...	22.926	+51.088	-4	...	...	...	4.994	-13.959	-5	...	...
+	38.077	+57.324	-5	...	...	...	22.904	-19.563	-4	...	...	...	4.746	-20.938	-5	...	...
*	37.977	+8.998	1.00	46.9852	10.0	...	22.133	+4.003	-5	A	...	...	4.560	+32.993	1.00	...	...
...	37.652	+21.514	1.00	46.9853	10.3	...	22.125	-40.996	-5	...	...	...	4.478	+0.095	-4	Mf	...
...	-37.593	-17.416	-5	M	...	...	-21.993	-49.773	-5	M	...	...	-4.463	-23.302	-5	...	...
...	37.508	-21.458	0.90	...	...	...	21.241	+17.671	-5	...	...	...	4.240	-46.618	0.90	...	...
...	37.208	-3.942	-5	...	...	...	21.179	+29.892	-5	...	...	...	4.030	-3.347	1.00	47.9415	10.3
...	37.197	+27.822	-5	...	...	...	21.167	+39.401	-4	...	...	...	3.886	+44.590	0.90	...	...
...	36.138	+36.723	-5	...	...	...	20.513	+38.525	-5	...	...	...	3.493	+7.280	1.00	46.9868	10.3
101	-36.074	-19.767	-5	161	S +	-20.468	-15.084	2.00	47.9408	8.6	221	-2.724	-33.628	1.00
*	36.073	-35.489	1.00	47.9400	10.0	...	20.421	+21.663	-5	...	...	...	2.129	+52.997	-4	...	...
...	35.214	+23.491	-4	...	...	...	20.005	+52.274	0.85	...	...	...	1.625	+1.563	-5	...	...
...	34.230	-33.860	-5	...	...	...	* 19.962	+31.393	0.95	46.9860	10.3	...	1.615	+9.364	1.00	46.9869	10.2
*	33.926	-13.427	1.00	47.9401	10.2	...	19.799	-9.309	-3	...	...	...	1.351	-35.351	1.30	47.9416	9.3
...	-33.618	-47.358	-4	...	...	...	-19.344	-2.284	-5	...	...	...	-1.124	+3.890	-5	m	...
...	33.596	+29.653	-4	...	...	...	19.281	+1.008	-5	...	...	...	0.669	-32.519	-4	...	...
...	33.589	-40.885	0.75	...	...	...	19.175	+3.936	-5	...	...	...	0.648	+51.230	-4	...	...
*	33.488	+21.772	-5	...	...	...	17.806	-7.928	-3	...	...	...	0.199	-45.475	1.00	47.9417	10.0
*	33.227	+21.721	1.00	46.9854	9.6	...	17.703	+57.015	0.80	...	...	...	0.180	+50.369	1.00	...	...
III	S *	-33.097	+38.364	3.00	46.9855	7.5	171	-17.521	+21.718	-5	-0.031	-29.398	-4
...	32.855	+42.248	-5	...	...	...	17.316	+22.310	-1	...	...	...	+ 0.166	-51.729	-5	m	...
...	31.363	+42.433	-5	...	...	...	17.122	-46.045	-5	...	...	...	0.459	+13.155	-3	...	...
...	31.131	-5.695	-3	16.795	-59.141	-5	S *	0.887	+47.055	2.00	46.9870	8.6
...	30.801	-1.869	-2	...	...	...	16.644	-18.229	-5	...	...	...	1.023	+55.865	-5	m	...
...	-30.772	+12.912	0.65	...	...	...	-16.007	+32.800	-4	...	...	...	+ 1.148	+55.719	-3	...	...
...	30.761	-52.087	0.85	...	...	...	15.342	-51.598	-5	...	...	...	1.195	+51.146	1.10	46.9871	10.0
...	30.477	+36.605	0.70	...	...	...	* 15.317	-12.575	1.30	47.9409	9.3	...	1.492	-25.003	-3	...	...
+	30.104	-53.337	1.40	47.9402	9.2	...	14.597	+9.413	1.30	46.9861	9.4	...	1.512	+43.588	-3	...	...
†	30.000	-2.405	-5	...	...	...	14.550	-6.988	-5	...	...	...	1.537	+26.984	-2	...	...
I21	-29.545	-49.767	-5	...	...	181	-13.176	+22.339	1.25	46.9862	9.2	241	1.859	-38.292	-5	...	...
...	28.895	-47.699	-5	...	...	...	13.161	-50.007	-2	...	...	...	2.090	-21.098	-3	...	...
...	28.847	+57.456	-5	...	...	...	12.845	+17.306	-5	...	...	...	2.151	+49.479	1.40	46.9872	9.3
...	28.663	+53.956	0.90	...	...	...	12.526	-36.099	-3	...	...	...	2.394	-37.627	-5	M m	...
*	28.492	-27.412	1.00	47.9403	10.2	...	12.227	+30.370	1.30	46.9864	9.3	...	3.035	+3.890	-5	m	...	
...	-28.329	+49.937	-5	...	...	...	11.735	+57.595	0.95	46.9865	10.3	...	3.053	-58.082	1.30	48.10311	10.0
...	28.329	+47.568	-5	...	...	...	11.403	-49.072	0.90	...	...	...	3.634	+35.143	0.95	46.9873	10.2
...	27.734	-43.060	-5	...	...	...	11.266	-50.292	-4	...	...	...	3.883	+2.439	-5	...	...
...	27.515	+50.763	-4	...	...	...	11.159	-57.479	0.85	...	...	...	4.185	-59.702	-5	...	...
...	27.514	-57.364	-5	...	...	...	10.824	+49.462	-3	...	...	...	4.268	-57.673	-4	...	...
I31	-27.465	+21.646	-5	191	-10.262	+36.166	0.95	251	4.696	+27.845	1.00	46.9874	10.2
*	27.271	+31.919	1.30	46.9856	9.5	...	9.974	+44.055	-4	...	...	...	5.316	+31.505	-3	...	...
*	27.222	-20.811	1.00	47.9404	10.0	...	9.909	-38.381	-5	...	...	...	5.968	-15.481	1.00	...	...
*	27.106	+51.193	1.00	46.9857	10.3	...	9.793	+11.903	0.90	46.9866	10.3	...	6.150	+46.060	1.00	46.9875	10.2	
...	26.408	+47.953	-2	...	...	...	9.339	-26.898	1.00	47.9410	10.3	...	6.481	-55.770	-5	...	...
...	-26.362	+32.478	-5	...	...	...	-9.204	-57.909	-5	...	...	...	+ 6.679	-5.186	-5	...	...
...	26.341	+52.176	0.95	46.9858	10.3	...	8.817	-43.850	-4	...	...	...	6.808	-57.750	-5	...	...
...	25.682	+17.334	-4	...	...	...	8.336	-40.255	1.00	47.9411	7.0	...	6.873	+42.251	0.65	...	...
...	25.548	+2.697	-4	...	...	...	8.117	+1.798	1.00	47.9412	10.3	...	7.026	+37.216	-3	...	...
...	25.529	-5.384	-5	...	...	...	7.836	-53.123	0.95	...	...	...	7.351	+31.549	-5	...	...
I41	S *	-25.236	-49.305	1.90	47.9405	8.6	201	-7.743	-44.480	-5	7.365	-37.701	-5
†	25.033	-16.188	-3	47.9406	10.3	...	6.605	-51.539	-2	...	...	...	7.634	-44.322	-4	...	...
...	24.978	-43.118	-5	...	...	...	6.346	-23.672	-4	...	...	...	7.638	-44.510	-4	...	...
...	24.655	-29.906	-4	...	...	...	6.337	-42.104	-5	...	...	...	7.664	+26.442	0.95	...	...
...	24.504	-19.310	-3	...	...	...	6.305	+34.302	-4	...	...	...	7.913	+9.503	-5	...	...
...	-24.209	-31.250	-3	...	...	...	-6.075	+50.421	1.00	46.9867	10.2	...	+ 8.836	+43.917	-3	...	...
...	24.009	-43.014	-5	...	...	...	5.994	-41.408	1.00	47.9413	9.6	...	9.221	-34.230	1.20	47.9418	9.5
*	23.670	+51.613	1.00	46.9859	10.2	...	5.943	-6.391	1.00	47.9414	10.3	...	S *	9.223	+17.658	1.65	46.9876	8.9
...	23.612	-22.676	-5	...	...	...	5.761	+25.930	-5	...	...	...	10.297	+48.323	-1	...	...
*	23.547	+1.213	1.35	47.9407	9.5	...	5.669	+57.072	1.00	...	...	...	10.413	+52.846	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.
271-330																	
271	+10·689	+50·169	1·00	46·9877	10·2	331	+21·849	+36·806	-4	o	...	391	+36·025	+0·814	-5	o	...
...	10·951	+27·329	-5	...	...	...	22·098	-52·367	-5	m	...	...	36·582	-39·946	1·40	47·9429	9·0
...	11·147	+48·420	-4	...	...	...	22·519	-24·051	-2	...	...	...	36·611	+25·601	-3	...	...
...	11·151	+35·886	-4	...	...	...	23·105	-21·144	-4	...	...	...	36·797	+50·389	-2	...	...
...	11·187	+49·912	-3	...	...	...	23·187	-58·619	-4	...	...	...	37·488	-15·430	-5	m	...
...	+11·447	-22·373	-4	...	...	...	+23·197	-24·196	-5	...	...	...	+37·517	-45·889	0·75	...	...
...	11·458	-19·087	-3	...	...	...	23·242	+30·073	-5	m	...	*	37·639	+5·549	1·00	46·9892	10·0
...	11·532	-44·894	-3	...	...	...	23·643	-2·903	-4	...	...	...	37·858	+31·025	0·80	...	...
...	12·301	+3·920	0·90	...	...	...	23·924	+27·761	-5	...	...	...	37·873	-51·013	-4	...	...
*	12·338	-23·624	1·40	47·9419	9·5	...	24·081	+1·239	-5	...	...	...	38·009	+5·369	-5	...	...
281	+12·339	-14·012	-3	...	...	341	+24·089	+8·483	1·00	46·9885	10·3	401	+38·306	-35·599	-2	...	...
...	12·703	+36·296	-3	...	...	...	24·182	-26·463	-4	...	...	...	38·552	+27·668	-5	m	...
...	12·876	-40·864	-4	...	...	*	24·238	+47·168	1·10	46·9886	9·6	[	38·967	-16·607	0·90	47·9430	10·2
...	13·151	+30·189	-5	...	...	...	24·401	+5·141	-4	...	...	...	39·000	-16·557	0·70	47·9430	10·2
...	13·351	-28·987	0·95	47·9420	10·3	...	24·425	-48·737	-4	...	...	...	39·526	-22·962	-2	...	...
...	+13·913	+19·539	-1	...	...	...	+24·513	-27·085	-5	...	...	...	+39·527	+18·190	-5	m	...
...	14·160	+8·883	0·95	46·9878	10·3	...	24·949	-59·653	1·00	...	...	*	39·645	-44·851	1·00	47·9431	10·2
...	14·513	+53·843	-4	...	...	...	25·413	-46·617	-4	...	...	*	39·657	+12·656	1·00	46·9893	10·0
...	14·595	+29·165	-5	...	...	...	25·574	+2·173	-5	m	...	†	39·740	+17·832	-5	m	...
...	14·768	+40·073	-5	...	...	*	25·936	+41·204	1·00	46·9887	10·0	...	39·903	+0·391	-5	m	...
291	+14·877	-19·935	-5	...	...	351	+25·955	-49·041	-4	...	...	n	+40·169	-5·845	0·70	47·9432	10·3
...	14·913	-2·368	-5	...	...	...	26·086	-21·087	-3	...	...	...	40·313	-55·292	0·90	...	...
...	15·016	+50·601	-4	...	...	...	26·173	-18·382	-5	...	...	n	40·354	-5·777	0·95	47·9432	10·3
...	15·144	-7·257	-5	...	...	...	26·244	-43·981	-5	...	...	...	40·854	+59·368	-4	...	...
S*	15·144	-15·772	3·00	47·9421	7·6	...	26·465	-3·439	-5	...	...	...	40·962	-1·925	-5	...	...
...	+15·246	+31·368	-5	...	...	...	+26·769	-38·626	-4	...	...	...	+40·989	-38·835	-4	...	...
...	15·278	-50·190	-2	...	...	...	26·774	-53·430	-5	m	...	...	41·419	+55·402	-5	...	...
*	15·778	+36·462	1·40	46·9879	9·0	*	26·806	-51·007	1·20	47·9426	9·8	...	41·546	+57·939	-5	...	...
...	16·159	+26·839	-4	...	...	...	28·207	+14·264	-5	...	...	...	41·664	-28·279	-3	...	...
...	16·259	+25·516	-4	...	...	...	28·367	-52·826	-3	...	...	...	41·667	-25·273	-3	...	...
301	+16·691	-16·505	-3	...	...	361	+28·420	-21·497	-4	...	...	...	41·752	+29·082	0·65	...	...
...	16·742	+22·197	-3	...	...	...	28·541	-28·299	-4	...	...	*	43·131	+48·517	1·40	46·9894	9·4
...	16·745	+50·467	-5	...	...	...	28·595	-4·703	-2	...	...	...	43·317	+57·776	-4	...	...
...	16·806	+15·737	-5	m	...	*	29·379	+44·169	1·40	46·9888	9·2	...	43·426	-54·805	-5	e	...
*	16·841	-6·890	1·25	47·9422	10·0	*	29·569	-38·725	1·50	47·9427	8·9	...	43·558	-50·577	-1	...	...
*	+16·949	+34·549	1·05	46·9880	10·0	S+	+29·740	-46·290	2·00	47·9428	8·6	*	+44·328	+38·602	1·15	46·9895	9·6
...	17·056	-30·334	-5	...	...	...	29·901	-46·025	-5	m	...	...	44·401	+25·978	-5	...	...
...	17·826	+44·031	-3	...	...	...	30·398	+48·631	0·90	...	...	†	44·815	+35·980	-4	...	...
...	18·407	-2·369	-4	...	...	...	30·421	-51·630	-4	...	...	...	44·940	-11·701	-1	...	...
...	18·445	+32·572	-4	...	...	...	30·609	-9·742	-2	...	...	...	45·269	-3·832	-4	...	...
311	+18·465	-15·304	-5	...	...	371	+31·084	+37·145	3·00	46·9889	7·9	431	+45·375	+1·087	-5	e	...
*	18·857	-47·484	1·10	47·9423	10·2	...	31·311	-48·121	-5	...	...	*	45·417	+17·825	1·35	46·9896	9·5
...	19·557	-57·378	-3	...	...	...	31·675	+57·789	-1	...	...	...	45·654	-6·464	-5	...	...
...	19·691	+45·576	-4	...	...	...	32·739	+3·606	-5	...	...	...	45·698	-46·105	-5	...	...
...	19·926	+51·027	0·65	...	...	...	32·757	-30·169	-2	...	...	...	45·935	-1·102	0·90	...	...
*	+20·151	+49·422	-5	...	*	...	+33·537	+36·689	1·00	46·9890	10·3	...	+45·970	-3·991	-1	...	...
*	20·311	+55·507	1·20	46·9881	9·6	...	33·610	-47·243	-5	...	...	...	46·049	+57·204	-3	...	...
*	20·365	+55·968	1·00	46·9882	9·8	...	33·641	-8·539	-5	...	...	...	46·213	-32·414	0·90	...	...
*	20·478	-40·591	1·60	47·9424	8·8	...	33·841	+31·246	-5	m	...	†	46·282	-35·045	-5	...	...
...	20·640	+36·211	0·90	46·9883	10·3	...	33·879	+9·425	1·00	46·9891	10·3	...	46·402	+27·013	-5	e	...
321	+20·678	+48·174	0·90	...	...	381	+33·915	-2·353	0·65	...	...	...	+46·564	+48·142	0·95	...	...
*	20·791	+8·890	1·00	46·9884	10·0	...	34·027	-21·120	-2	...	...	*	46·624	+6·409	1·10	46·9897	10·0
...	21·105	+0·492	-5	m	...	...	34·085	+44·279	-5	...	...	...	46·664	+37·167	-5	...	...
...	21·283	+31·889	-5	...	...	...	34·192	-31·633	-4	...	...	...	46·979	+37·409	-5	...	...
...	21·288	-21·067	-5	...	...	...	34·220	-33·436	-5	...	...	...	47·351	-33·989	-2	...	...
...	+21·359	+11·404	-2	...	...	...	+34·279	-14·782	-2	...	...	...	+47·594	+30·740	-5	...	...
...	21·360	-13·488	1·00	47·9425	10·3	...	35·083	-49·100	-5	m	...	...	47·955	-59·130	-5	...	...
...	21·573	-16·493	0·90	...	...	...	35·590	-16·680	-5	m	...	*	47·957	+53·394	2·00	46·9898	8·8
...	21·754	-33·143	-5	...	...	...	35·683	+3·623	0·65	...	...	...	48·326	+27·876	-5	e	...
...	21·804	+32·617	-5	m	...	†	35·985	-10·071	-2	...	...	...	48·835	+5·706	0·75	...	...

411, 413. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.
451-470																	
45 ¹																	
...	+49.327	-19.534	-1	o	...	...	...	+56.224	-58.992	-1	o	...	...		
...	50.276	-58.555	1.00	48.10329	10.8	...	...	56.390	+3.303	-5	e	...	...		
...	51.998	-38.892	-3	...	...	...	...	56.574	-50.340	-5	m	...	...		
...	52.003	+29.484	0.75	...	...	...	...	56.922	+38.853	-1	...	...	...	
...	52.444	+58.515	-5	...	...	...	...	57.109	+30.144	-5	...	...	...	
...	+52.503	-19.063	-4	...	...	...	...	+57.331	+2.269	-5	m	...	...		
...	52.641	+51.455	-4	...	...	...	...	57.487	+16.176	-2	...	...	...	
...	52.687	+52.971	-3	...	...	...	...	57.564	-23.470	-5	...	...	...	
...	52.817	-4.350	-4	...	...	...	...	57.630	-6.251	-5	...	...	...	
...	53.103	+50.105	-4	...	...	...	...	57.837	+55.534	-5	...	...	...	
46 ¹																	
...	+53.111	+15.893	-2	...	...	...	48 ¹	+57.947	-4.378	1.05	47.9434	10.2	...				
*	53.353	+44.867	1.00	46.9899	10.2	...	...	58.468	-22.778	-4	...	...	...	
...	53.999	-8.190	-5	...	...	...	...	* 58.485	+38.783	1.15	46.9900	10.2	...				
S *	54.231	+42.837	-5	...	...	...	...	58.526	+32.521	-4	...	...	...	
...	54.512	-8.482	2.10	47.9433	8.4	...	...	* 59.315	-1.523	1.40	47.9435	9.5	...				
...	+54.627	+32.967	-5	e	...	...	...	+59.419	-1.367	-4	...	...	...	
†	54.769	-32.994	-4	...	...	...								
...	55.491	+58.154	-3	...	...	...								
...	55.803	-15.348	-5	...	...	...								
...	56.094	+8.684	-4	...	...	...								

1-30						31-60						61-90							
1	-59.840	-25.582	-2	o	...	3 ¹	-55.076	-32.578	0.70	o	...	6 ¹	-49.225	-19.018	-3	o	...		
...	59.761	-28.585	-2	...	...	...	54.933	-35.203	-4	...	...	...	49.104	-38.861	-1	...	...
*	59.244	+38.361	1.30	46.9895	9.6	...	54.905	+27.774	-5	E	...	...	48.813	-21.224	-5	M	...	
...	58.769	+25.738	-3	...	...	...	54.061	-24.059	-5	M	...	...	48.766	-46.050	-5	M	...	
...	58.667	-17.060	-5	...	...	...	53.907	-34.099	-2	...	...	...	48.753	+33.063	-4	E	...	
...	-58.664	+35.759	-3	...	...	...	-53.686	+5.624	0.80	...	...	...	-48.685	+58.263	0.85	...	...
...	58.331	+46.749	-5	M	...	...	53.128	-31.686	-5	...	...	...	48.349	-44.767	-5	M	...	
...	58.101	+57.028	0.80	...	...	...	52.499	-59.226	-4	...	...	...	48.233	+33.638	-5	M	...	
...	58.061	-5.170	-5	...	...	...	52.390	-19.588	0.75	...	...	...	48.076	-8.093	-4	...	...
II		-6.827	-5	M	...	...	52.304	+28.214	-5	M	...	...	S *	47.529	-8.367	2.15	47.9433	8.4
*	-57.478	+17.622	1.30	46.9896	9.5	4 ¹	-51.896	+30.150	-5	M	...	7 ¹	-46.662	+39.020	0.75	...	...	...
...	57.309	+47.965	0.85	...	...	...	51.739	+58.532	-3	...	...	...	46.516	-32.871	-2	...	...	...
...	57.175	-55.043	-5	E	...	...	51.625	+46.690	-5	...	...	...	46.513	+8.838	-3	...	...	...
...	57.162	-50.832	0.80	...	...	...	51.358	-44.277	-5	M	...	...	46.274	+55.714	-4	...	...	...
...	57.012	-35.349	-5	M	...	...	51.332	+52.990	0.80	...	...	...	46.183	+30.320	-5	...	...	...
...	-57.000	-11.899	0.75	...	...	...	-51.316	+51.490	-4	...	...	...	-46.050	+3.461	-4	E	...	...
...	56.997	+0.898	-4	E	...	...	51.266	+29.500	0.80	...	...	...	46.027	-15.205	-5	...	...	...
...	56.930	-4.021	-3	...	...	...	51.197	-27.827	-5	M	...	...	45.576	+54.735	-4	...	...	...
...	56.829	+37.001	-4	M	...	...	50.829	+50.135	-2	...	...	...	45.363	+16.370	-2	...	...	...
...	56.801	+26.847	-4	E	...	...	50.407	+44.912	1.00	46.9899	10.2	...	45.347	+32.388	-5	M	...	...
21						5 ¹						8 ¹	*	-45.098	+38.996	1.00	46.9900	10.2	
...	-56.602	+17.961	-5	M	...	...	-50.353	-28.332	-5	M	...	...	45.081	+53.405	-5	M	...	...
...	56.538	+37.252	-3	...	...	...	50.192	-58.589	1.10	48.10329	10.8	...	44.942	+41.344	-5	M	...	...
...	56.468	-6.647	-5	...	...	...	49.870	-7.710	-4	...	...	...	44.849	+32.737	-3	...	...	...
...	56.361	-1.274	0.90	...	...	...	49.807	+27.862	-5	M	...	...	44.826	-39.371	-5	M	...	...
...	56.218	-4.157	-1	...	...	...	49.764	+48.251	-5	M	...	...	-44.609	+8.716	-5	M	...	...
*	-56.050	+53.258	1.80	46.9898	8.8	...	-49.729	+15.946	0.65	...	...	...	44.503	-6.052	-5	...	...	...
*	55.903	+6.249	1.15	46.9897	10.0	...	49.660	+0.994	-4	M	...	...	44.245	-4.153	1.00	47.9434	10.2	
...	55.749	-29.635	-5	M	...	...	49.517	-35.530	-5	M	...	...	44.217	-58.824	0.95	...	...	...
...	55.688	+30.614	-5	...	...	...	49.454	+42.913	-3	...	...	...	44.131	-50.164	-3	M	...	...
...	55.167	-46.277	-5	...	...	...	49.380	-4.298	-3	...	...	...				

MB measured from 1, 108, 214, 315, 393, 513.
ES .., .., 32, 137, 242, 341, 442.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.		
91-150																			
91	-44°026	-23°270	-3	o.	...	151	-32°406	-31°487	-3	o.	...	211	-21°066	+31°464	o.80	o.	...		
...	43°154	-22°547	-3	...	...	...	32°346	+28°147	0°75	...	...	...	20°877	-23°401	-3	...	...
*	42°969	-1°270	1°10	47.9435	9°5	...	32°319	+8°564	-5	M	...	...	20°468	-36°148	-5	...	...
...	42°875	-1°109	-3	...	...	...	32°194	-56°397	-4	...	...	...	19°757	+52°620	-5	...	...
...	42°350	+25°057	-1	...	...	...	32°166	+44°816	-4	M	...	...	19°562	-20°396	o.65	...	...
...	-42°201	+53°520	-3	...	...	...	31°967	+3°215	-4	...	...	...	-19°504	+34°726	o.95	46.9909	10°0
...	42°176	+36°217	-4	...	...	...	31°719	-21°530	3°90	47.9444	7°3	...	19°467	-37°535	1°80	47.9450	8°5
...	42°037	+53°445	-4	...	...	...	31°621	+21°079	0°90	...	...	...	19°351	+56°510	1°05	46.9910	10°3
*	41°307	-28°448	2°20	47.9436	8°0	...	31°545	+49°288	0°75	...	...	...	19°044	+25°665	o.85	...	...
...	41°260	-18°900	-3	...	...	...	31°316	+58°201	--5	M	...	...	18°804	-38°473	-4	...	...
101	-41°211	+38°531	-5	M	...	161	-31°303	+23°130	-5	M	...	...	-18°223	-24°043	-5	...	...
...	40°920	+16°746	0°75	...	...	...	31°257	+43°657	-5	M	...	...	17°958	+10°225	1°20	46.9911	10°0
...	40°669	-33°805	-3	...	...	...	30°288	-45°918	-5	M	...	...	17°819	+54°504	1°00	46.9912	10°3
...	40°600	+30°451	0°80	...	...	...	29°923	+7°378	0°70	...	...	...	17°461	-41°796	o.90	...	...
*	40°464	-27°465	1°25	47.9437	9°6	α *	29°061	-0°294	1°35	47.9445	9°6	...	17°432	-4°166	o.95	...	...
...	-40°346	-8°785	-5	M	...	*	-28°555	-27°764	2°30	47.9446	8°5	...	-17°409	+16°808	o.80	...	...
...	40°276	+34°703	-5	M	...	...	28°281	-41°268	0°70	...	...	...	16°894	+48°843	-5	M	...
...	39°902	-5°225	-3	...	...	...	28°126	-0°641	0°85	47.9447	10°3	...	16°385	+47°558	-5	M	...
...	39°707	-14°414	-5	M	...	...	27°506	+18°170	0°65	...	...	...	16°105	-44°426	-4	M	...
...	39°700	+25°002	-4	...	...	*	27°246	+42°924	1°50	46.9907	9°2	...	16°097	+30°372	-4	...	...
111	-39°407	+39°359	-3	*	171	-27°224	+1°086	1°00	47.9448	10°0	...	-16°086	-38°702	-5	
...	39°198	+20°566	-4	...	...	[	27°149	+1°027	-1	...	...	...	16°030	+56°036	-5	M	...
...	38°662	+43°385	-5	...	...	...	27°086	-37°010	-5	...	...	...	15°810	+30°118	1°80	46.9913	8°9
...	38°658	-56°164	0°95	...	...	...	27°062	-48°387	0°65	...	...	...	15°715	-41°817	o.65	...	...
*	38°555	+2°744	1°80	47.9438	8°9	...	27°055	+14°433	0°70	...	...	...	15°670	+38°694	-5	M	...
*	-38°532	+22°483	1°80	46.9901	9°0	...	-26°988	+43°925	-4	...	...	...	-15°401	+7°698	-5	M	...
...	38°188	+7°779	-5	M	...	...	26°815	+9°645	-5	M	...	...	15°399	+57°614	-4	...	...
...	37°797	+57°081	-5	M	...	...	26°758	-46°808	-3	...	...	...	15°390	-44°399	-1	...	...
*	37°787	-40°545	1°00	47.9439	10°3	...	26°601	+9°754	-5	M	...	S *	15°342	-1°680	3°90	47.9452	7°6		
...	37°457	+59°020	-5	M	...	...	26°536	-4°244	-5	M	...	...	15°340	-29°353	1°70	47.9451	9°3
121	-37°442	-19°606	0°70	181	-26°457	+57°059	0°80	241	*	-15°211	+46°422	1°10	46.9914	10°3
...	37°427	+15°393	0°85	...	...	...	25°950	+34°953	0°80	...	...	...	14°461	+59°336	-4	M	...
S *	37°406	-51°140	2°70	47.9440	7°8	...	25°899	-37°985	-5	M	...	...	14°194	-28°038	-2	...	...
...	37°384	-21°434	0°90	...	...	...	25°802	+18°674	-3	...	...	...	13°867	+55°158	-5	M	...
...	37°356	+5°548	-5	M	...	...	25°547	+2°304	-5	M	...	...	13°770	+17°991	-4	...	...
...	-37°295	+13°687	-5	M	...	...	25°527	+33°593	-5	...	...	...	-13°721	+52°434	-4	...	...
*	37°136	+54°924	1°60	46.9903	9°3	...	25°460	-9°950	-3	...	...	...	13°701	+57°549	-3	...	...
...	37°013	-3°241	0°90	...	...	...	25°332	-1°038	-5	...	...	...	13°572	-52°760	-5	M	...
*	36°815	+7°302	0°90	46.9902	10°3	...	25°270	+8°214	0°90	...	...	*	13°477	-49°849	1°00	...	...
*	36°763	-36°240	1°70	47.9441	8°9	...	25°211	+12°735	-5	M	...	...	13°425	-47°221	-5	M	...
131	-36°554	+5°697	-5	M	...	191	-25°029	-47°720	0°65	251	*	-13°344	+55°507	-5
*	36°435	-6°118	1°50	47.9442	9°5	...	24°629	+9°427	-3	...	...	...	13°237	-41°342	-3	...	...
S *	36°388	+53°777	-4	...	...	...	24°473	+46°382	-5	M	...	...	13°186	-16°249	-5	...	...
...	36°114	+24°505	2°50	46.9904	8°3	...	24°454	+3°245	0°80	...	...	...	12°831	-11°640	-4	...	...
...	35°854	-25°163	-5	...	...	...	23°977	-19°830	-4	...	...	...	12°829	+50°631	-4	...	...
...	-35°806	-19°787	-5	...	...	...	23°946	+35°752	-5	...	...	*	-12°792	+13°814	1°35	46.9915	9°5
+	35°049	+24°286	1°80	46.9905	9°0	...	23°927	+26°550	-1	...	...	...	12°674	+3°819	1°00	...	...
+	34°984	+36°001	1°10	46.9906	9°5	...	23°854	+29°627	-5	M	...	...	12°350	+13°658	-1	...	...
...	34°231	-38°198	-5	M	...	*	23°464	+2°287	1°40	47.9449	9°5	...	12°300	-43°112	-5	...	...
...	34°200	+50°614	-4	M	...	*	23°369	+32°025	0°95	...	...	...	12°212	+22°785	0°70	...	...
141	-34°049	-37°904	-5	M	...	201	-23°349	-58°548	-2	...	...	*	-11°909	+50°951	1°25	46.9916	9°6
...	34°032	+58°884	-5	M	...	...	22°903	+38°988	-5	M	...	...	11°904	-35°678	-5	...	...
...	33°845	+9°023	-4	...	...	...	22°776	-5°294	-5	...	...	...	11°542	+47°801	-5	M	...
...	33°631	-26°876	0°90	...	...	...	22°716	-20°959	-4	...	...	...	11°368	+26°781	0°70	...	...
...	33°583	+22°453	-3	...	...	*	22°574	+42°662	1°40	46.9908	9°4	S *	11°226	-30°553	1°90	47.9453	8°9
...	-33°422	+9°428	-5	...	...	...	22°045	-16°289	-3	...	...	...	-11°072	+26°066	-1	...	...
...	33°183	-27°372	0°95	...	...	...	21°696	-11°353	-5	...	...	...	10°968	-17°875	-5	...	...
*	32°816	-6°644	1°00	47.9443	10°2	...	21°668	-56°026	-2	...	...	...	10°429	+36°395	-5	M	...
...	32°627	-57°090	-5	M	...	...	21°486	+1°800	-5	M	...	...	9°932	-24°483	-5	M	...
...	32°460	+1°285	-3	M	...	...	21°334	+53°385	-1	...	...	...	9°759	-8°113	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
271-330																		
271	- 9·706	+ 42·534	- 5	°M	...	331	+ 3·395	- 50·014	- 5	°	...	391	+ 19·464	- 10·246	0·75	°	...	
...	9·339	- 40·758	- 5	M m	...	...	3·487	- 23·126	- 5	...	...	...	19·560	+ 53·231	- 5	m	...
...	9·087	+ 36·191	- 2	...	...	*	3·660	+ 52·746	1·20	46.9922	9·6	†	19·874	+ 44·228	- 5	m	...
...	9·009	+ 43·774	0·80	...	...	...	3·736	+ 56·176	0·65	...	...	...	19·986	+ 18·949	- 3	...	...
...	8·864	- 40·312	- 5	M m	...	...	3·962	- 33·916	- 5	M	...	...	20·109	+ 52·478	- 2	...	...
...	- 8·492	+ 14·930	- 1	...	...	+	4·238	+ 31·140	0·65	...	...	*	+ 20·211	- 54·019	1·40	47·9464	10·0
...	8·265	+ 41·700	- 5	M	...	...	4·277	- 17·012	- 2	...	...	...	20·228	- 11·976	- 5	...	...
...	8·010	+ 58·922	0·75	...	...	...	4·333	+ 8·365	1·05	46.9923	10·3	...	20·481	+ 34·976	0·70	...	...
...	7·943	+ 13·802	- 5	M m	...	...	4·445	- 2·854	- 1	...	...	...	20·798	- 1·171	- 5	m	...
...	7·934	- 56·838	- 4	...	...	...	4·753	+ 17·788	- 5	M	...	...	21·024	+ 22·508	- 3	...	...
281	- 7·635	+ 34·865	- 5	M m	...	341	+ 5·032	- 50·625	- 5	M m	...	401	S *	+ 21·484	- 45·934	1·70	47·9465	8·9
...	7·627	- 23·694	- 4	...	...	...	5·132	+ 37·105	- 5	M	...	...	21·731	- 47·333	0·80	...	...
...	7·535	- 46·620	- 4	...	...	...	5·212	+ 21·101	- 4	...	...	...	21·877	+ 16·192	- 5	m	...
*	7·515	- 37·813	1·30	47·9454	9·6	...	5·277	- 59·892	- 5	m	...	...	21·928	+ 14·034	1·15	46·9932	10·5
*	7·419	- 11·114	1·70	47·9455	9·5	...	5·284	- 3·658	- 3	...	...	...	22·386	+ 36·375	- 4	...	...
...	- 7·335	+ 37·031	- 3	...	...	*	+ 5·773	+ 48·191	0·90	46.9924	10·2	...	+ 22·790	+ 53·417	- 5	m	...
...	7·116	+ 45·190	- 4	...	...	...	5·777	+ 39·384	- 4	...	...	...	23·280	- 6·535	- 3	...	...
*	7·076	- 17·060	1·15	47·9456	10·0	...	6·718	+ 47·452	- 5	M m	...	...	23·312	- 17·222	- 5	...	...
...	6·661	- 50·394	- 5	...	...	*	7·072	+ 38·370	1·20	46.9925	9·6	...	23·943	- 42·286	- 1	...	...
...	6·289	+ 9·583	0·85	...	...	*	7·251	+ 36·567	1·70	46.9926	9·0	...	24·165	- 45·902	- 5	...	...
291	- 6·267	+ 58·560	- 4	...	...	351	+ 7·314	- 16·479	0·90	...	...	411	+ 24·439	- 54·072	- 1	...	...
...	6·055	+ 56·624	- 3	...	...	...	7·440	- 47·226	- 4	...	...	...	24·908	+ 19·455	- 5	...	...
...	5·708	- 47·507	- 5	m	...	...	7·730	+ 5·288	0·90	...	...	...	24·983	- 30·721	- 5	m	...
...	5·658	- 3·086	1·25	47·9457	10·0	...	7·838	- 3·640	0·90	...	...	...	25·102	- 25·517	- 5	...	...
...	4·788	- 56·724	- 4	...	...	...	8·036	- 55·579	- 5	m	...	...	25·129	- 50·577	0·70	...	...
...	- 4·777	+ 37·247	- 3	...	...	*	+ 8·083	- 48·767	1·60	47·9460	9·0	...	+ 25·154	+ 37·289	0·65	...	...
...	4·695	- 38·832	- 5	...	...	†	8·402	- 25·054	- 4	...	...	...	25·398	+ 20·439	- 4	...	...
...	4·600	+ 9·739	0·80	46.9917	10·3	...	8·881	+ 33·941	- 2	...	...	...	25·418	+ 15·302	0·80	...	...
*	4·213	+ 7·753	1·45	46.9918	9·5	...	9·650	- 4·560	1·05	47·9461	10·2	...	25·479	+ 54·510	- 3	...	...
...	4·125	- 54·151	- 3	...	...	...	9·686	- 41·490	- 3	...	...	...	25·502	+ 38·048	- 4	...	...
301	- 3·507	+ 6·535	0·90	...	...	361	+ 10·027	+ 53·940	- 3	...	...	421	+ 25·651	+ 25·797	- 3	...	...
...	3·159	- 16·885	1·10	...	...	...	10·662	+ 49·396	- 5	...	...	...	25·668	- 45·359	- 3	...	...
*	2·889	- 22·087	2·40	47·9458	8·6	†	11·499	- 54·975	0·80	...	...	...	25·887	- 45·411	- 4	...	...
...	2·849	- 21·600	- 4	...	...	...	11·850	+ 10·006	0·95	46.9927	10·3	...	25·910	- 36·708	- 3	...	...
...	2·665	+ 12·775	- 4	...	...	...	12·044	+ 16·994	- 5	...	...	...	26·025	+ 33·164	- 3	...	...
...	- 2·144	- 38·816	- 5	...	...	...	+ 12·116	+ 25·263	- 4	...	...	...	+ 26·549	+ 28·303	- 2	...	...
...	1·650	- 9·639	- 4	...	...	...	12·443	+ 58·825	0·95	46.9928	10·2	...	26·575	- 17·110	- 5	m	...
...	1·505	- 11·396	- 5	m	...	...	12·620	- 31·717	- 3	...	...	...	26·837	- 24·744	- 5	...	...
*	1·355	+ 21·188	1·25	46.9919	10·0	*	13·779	- 37·444	1·00	...	...	...	26·858	+ 35·660	- 5	m	...
...	1·310	- 12·116	0·80	...	...	*	13·970	+ 30·068	2·40	46.9929	8·0	...	27·543	- 36·805	0·85	...	...
311	- 0·893	- 36·266	- 5	m	...	371	+ 14·965	+ 41·327	- 5	m	...	431	+ 27·585	- 57·050	- 5	m	...	
S *	0·721	- 45·858	1·55	47·9459	9·4	...	15·590	- 4·639	- 4	...	...	...	27·607	+ 50·979	- 5	m	...
...	0·499	- 49·613	- 3	...	...	*	15·738	+ 6·719	1·80	46.9930	9·1	*	27·663	- 55·731	1·05	48·10354	10·8
...	0·322	+ 40·393	1·40	46.9920	9·5	...	16·219	- 41·435	- 5	...	...	...	28·022	- 16·500	- 5	...	...
...	0·088	- 59·507	- 5	m	...	...	16·344	+ 18·999	- 1	...	...	...	28·082	- 49·841	- 5	m	...
†	- 0·076	+ 48·330	0·80	...	...	†	+ 16·486	- 55·033	1·40	47·9462	9·5	...	+ 28·346	- 21·925	0·65	...	...
...	+ 0·236	+ 26·940	0·80	...	...	...	16·623	- 28·811	- 5	...	...	...	28·811	- 8·130	1·00	47·9466	10·3
...	1·216	+ 49·820	- 4	...	...	...	16·713	- 55·398	0·65	...	...	...	29·209	- 27·680	0·70	...	...
...	1·238	- 19·565	- 2	...	...	...	17·046	- 20·258	- 3	...	...	...	29·255	+ 7·444	- 5	m	...
...	1·268	- 35·589	- 4	...	...	...	17·370	+ 17·866	0·70	...	...	...	29·344	- 56·359	- 5	...	...
321	+ 1·300	+ 4·237	- 3	*	+ 17·490	- 42·782	1·10	47·9463	9·6	...	441	+ 29·599	+ 45·945	- 4
...	1·403	+ 26·841	- 5	M	...	...	17·513	- 44·672	0·80	...	...	...	29·822	+ 35·133	- 4	...	...
...	1·962	+ 11·400	0·80	...	...	...	17·854	- 17·431	- 5	...	...	...	29·847	+ 36·272	- 5	...	...
...	2·070	+ 58·490	0·80	...	...	...	18·175	- 7·150	- 4	m	...	...	29·984	+ 36·550	0·80	...	...
...	2·171	- 54·432	- 1	...	...	...	18·199	- 7·038	- 4	...	...	...	30·250	+ 56·399	- 4	...	...
...	+ 2·212	- 16·525	0·90	...	...	S *	+ 18·397	+ 8·596	1·80	46.9931	9·0	...	+ 30·295	- 0·638	0·85	...	...
S *	2·446	+ 32·511	- 3	...	...	...	18·609	+ 35·449	- 5	m	...	...	30·592	+ 18·326	- 3	...	...
...	2·810	+ 32·205	2·10	46.9921	8·6	...	18·883	+ 39·475	- 4	...	...	...	31·320	+ 33·801	0·65	...	...
...	2·902	- 48·755	0·75	...	...	...	19·059	+ 18·416	- 5	...	...	...	31·442	+ 50·896	- 2	...	...
...	3·086	- 57·652	- 4	...	...	...	19·111	+ 58·826	- 5	...	...	...	31·511	- 18·332	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
451-510																	
45 ^I	+31°914	-41°615	-5	o	...	51 ^I	+44°610	+10°828	-5	o	e	57 ^I	+54°610	+48°641	-3	o	...
...	32°011	-16°741	-5	m	44°644	-25°564	-5	54°615	+25°741	-2
...	32°089	-8°440	-4	45°407	+33°656	-5	m	54°803	+43°507	1°30	46.9940	10°1
...	32°156	+55°086	-5	m	45°461	-12°928	-5	m	54°895	-52°866	0°65
...	32°231	-39°886	-5	m	45°474	-26°965	-5	55°305	-34°563	1°00	47.9473	10°5
...	+32°407	+33°441	-2	+45°749	+3°540	0°95	47.9471	10°4	...	+55°436	+30°272	0°65
*	[32°437]	+38°492	1°40	46.9933	9°0	...	45°857	-29°678	-1	55°576	+8°247	-4	m	...
*	[32°510]	+38°430	1°20	46.9933	9°0	...	45°974	+46°089	-4	55°583	-24°741	-5	m	...
...	32°448	-41°286	-5	46°314	+58°881	-5	m	55°629	+13°182	-4
...	32°776	-29°567	-5	m	46°508	-23°083	-5	56°079	+45°145	-5	e	...
46 ^I	+33°302	-36°199	0°70	52 ^I	+46°640	-58°013	-5	m	+56°079	+8°868	-3
...	33°675	-41°018	0°65	46°816	+10°367	-5	56°151	-17°863	-5	m	...
...	33°997	-6°168	0°65	* 46°860	+40°723	1°10	46.9937	10°5	...	56°854	+33°348	0°65
...	34°109	+55°276	-5	m	S * 47°033	+46°868	2°00	46.9938	8°2	...	57°440	-11°521	1°00
*	34°210	+21°817	1°30	46.9934	9°6	...	47°238	+28°014	-4	m	57°679	+19°183	-3
...	+34°218	+45°901	-3	m	+47°433	-29°412	-5	m	+58°122	+41°747	-5
†	34°382	+24°770	-1	47°556	+11°675	-2	58°554	-36°808	0°80
...	35°517	-17°215	-4	m	47°725	-15°013	-5	m	* 58°847	+43°697	2°20	46.9941	8°6
...	35°560	+14°920	-2	47°764	-33°551	-5	m	59°142	+47°217	-4	m	...
...	36°005	+51°916	-5	m	47°780	+43°352	-5	m	59°394	+13°996	-5	m	...
47 ^I	+36°186	+26°720	-5	m	...	53 ^I	+47°858	+47°987	-5	m	59 ^I	+59°544	+7°575	-5	...
...	36°896	+46°689	0°85	...	...	...	47°871	+52°640	-3	...	...	...	...	...	...	...
...	37°027	+27°796	-5	m	...	...	47°970	+46°942	0°75	...	...	...	...	...	...	...
...	37°257	+6°195	-3	...	...	...	47°987	+55°692	-5	m	...	...	...	...	...	...
...	37°547	+36°912	-5	m	...	...	48°195	-34°380	-5	m	...	...	...	...	...	...
...	+37°930	+26°401	-5	m	...	...	* +48°197	-16°293	1°20	47.9472	10°3	...	...	...	...	...
...	38°159	+56°835	0°95	...	...	...	48°476	-56°466	-5	m	...	...	...	...	...	...
...	38°303	+11°536	0°65	...	...	...	* 48°929	-27°022	1°00	...	...	...	...	...	...	...
*	38°430	+16°681	1°80	46.9935	9°5	...	49°197	-30°238	-5	m	...	...	...	...	...	...
...	38°441	-26°521	-4	...	...	...	49°324	+43°627	-4	e	...	...	...	...	...	...
48 ^I	+38°718	-0°405	1°25	47.9467	10°1	...	54 ^I	+49°427	+59°092	-5	m
α *	38°828	+52°328	0°90	...	...	...	49°511	-50°792	-5	m	...	...	...	...	...	...
...	39°056	-38°112	-2	...	...	...	49°588	-10°638	-5	m	...	...	...	...	...	...
*	39°067	-9°300	1°35	47.9468	9°8	...	50°405	+17°450	-4	...	...	...	...	...	...	...
...	39°130	-40°958	-5	m	...	...	50°691	-45°638	-1	...	...	...	...	...	...	...
...	+39°223	-43°964	-5	m	...	...	+50°709	+24°276	-5	m	...	...	...	...	...	...
...	39°249	-29°591	-4	...	...	...	50°833	-41°602	-3	...	...	...	...	...	...	...
...	39°289	+53°457	0°85	...	...	...	51°020	+58°887	0°75	...	...	...	...	...	...	...
...	39°456	+20°620	-2	...	...	...	51°040	+26°974	0°80	...	...	...	...	...	...	...
†	39°730	-17°861	1°35	47.9469	9°6	...	51°240	-30°757	-4	...	...	...	...	...	...	...
49 ^I	+39°824	+42°751	-5	m	...	55 ^I	+51°588	+8°726	0°90	46.9939	10°5	...	...	...	...	...
...	39°869	+27°237	-1	...	...	...	51°830	-47°673	0°95	...	...	...	...	...	...	...
...	40°569	+43°086	0°70	...	...	...	51°965	+51°396	-4	m	...	...	...	...	...	...
...	40°595	-8°092	-5	m	...	...	51°966	+20°084	-5	e	...	...	...	...	...	...
...	41°090	-23°501	0°75	...	...	...	51°997	+0°755	-1	...	...	...	...	...	...	...
...	+41°233	+8°576	-5	m	...	...	+52°314	-30°623	-2	e	...	...	...	...	...	...
...	41°668	-28°518	0°90	47.9470	10°5	...	52°325	-12°598	-4	...	...	...	...	...	...	...
...	42°087	-28°632	-5	m	...	...	52°427	-29°317	0°85	...	...	...	...	...	...	...
...	42°355	-39°160	-5	...	...	...	52°540	-23°401	-4	...	...	...	...	...	...	...
S *	42°549	+7°668	1°35	46.9936	9°8	...	52°791	-54°410	-4	...	...	...	...	...	...	...
50 ^I	+42°651	-18°854	-2	...	...	56 ^I	+52°969	+26°559	-4	m	...	...	...	...	...	...
...	42°729	+45°444	-3	...	...	...	52°996	+25°548	-3	...	...	...	...	...	...	...
...	42°818	+23°124	-5	m	...	...	53°071	-46°914	-3	...	...	...	...	...	...	...
...	43°484	+5°204	-5	m	...	...	53°166	-22°562	-5	m	...	...	...	...	...	...
...	43°493	+28°312	-5	m	...	...	53°253	+4°822	-4	...	...	...	...	...	...	...
...	+43°509	-2°687	0°65	...	...	...	+53°399	-1°520	0°80	...	...	...	...	...	...	...
...	44°113	-30°242	-5	...	...	...	53°597	-22°366	-5	m	...	...	...	...	...	...
...	44°229	+3°674	-3	...	...	...	53°628	-37°974	0°80	...	...	...	...	...	...	...
...	44°352	+42°720	0°75	...	...	...	53°806	+2°540	0°70	...	...	...	...	...	...	...
...	44°415	-12°044	-3	...	...	...	54°410	-43°045	-2	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam. 0·70	C.P.D.		Notes.	Co-ordinates.		Diam. 0·70	C.P.D.		Notes.	Co-ordinates.		Diam. 0·70	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60																	
I	-59·748	-28·825	1·00	47·9470	10·5	61	-40·938	+35·794	-5	...	...	121	-25·588	+53·005	-5	...	...
*	59·340	+42·474	0·70	...	...	...	40·701	+36·625	-5	...	...	*	25·193	+32·768	1·10	46·9950	10·1
...	59·079	-19·127	-3	...	...	...	40·473	+15·061	-5	...	...	†	25·059	-8·900	0·75	...	...
...	58·723	-2·940	0·65	...	...	...	39·783	+28·411	0·70	...	...	...	24·748	-2·621	-5	...	...
...	58·213	+3·437	-4	...	...	...	39·631	+29·765	1·00	...	...	*	24·679	+15·668	1·85	46·9951	9·2
...	-58·054	+10·596	-5	E	...	*	39·411	+9·623	1·10	46·9943	9·8	...	-24·596	-32·460	-5	...	...
...	57·823	+45·903	-5	...	...	...	39·334	-7·645	0·80	...	...	...	23·710	-47·028	-3	...	...
...	57·528	-12·263	-4	...	...	S *	39·281	-48·116	1·50	47·9474	9·2	...	21·950	-2·251	0·90	...	...
S *	56·868	-25·775	-5	...	...	...	39·277	-27·331	0·85	...	...	...	21·815	-17·473	-5	...	...
S *	56·778	+46·712	2·30	46·9938	8·2	...	39·264	-0·505	-5	M	...	...	21·801	+12·707	-5	...	...
II	-56·758	+40·561	0·90	46·9937	10·5	71	-39·157	-5·629	1·05	47·9475	10·4	131	-21·572	-28·971	-3	...	...
...	56·685	+3·363	0·95	47·9471	10·4	...	38·299	+39·929	-5	M	...	*	21·471	+33·190	1·25	46·9952	9·6
...	56·128	+52·500	-4	...	...	...	37·850	-25·517	-5	...	...	S *	21·198	-2·996	1·85	47·9481	9·0
...	55·851	+46·819	-3	...	...	*	37·843	+13·146	1·10	46·9944	10·5	...	21·147	+14·089	0·95	46·9953	10·5
...	55·832	+10·198	-5	...	...	...	37·424	+13·500	-5	M	...	...	21·045	-45·978	-4	...	...
...	-55·528	-29·839	-3	...	...	...	37·105	-27·998	-4	...	...	...	-20·269	-28·683	-3	...	...
...	55·136	+11·538	-3	...	...	...	36·949	-54·193	-4	...	...	...	20·172	+10·347	-5	...	...
...	54·388	+43·534	-5	E	...	...	36·704	+52·678	1·05	...	...	...	19·828	+13·631	-1	...	...
*	53·611	-16·382	1·15	47·9472	10·3	...	36·642	-22·261	-5	...	...	...	19·521	-25·729	-5	...	...
...	53·186	+58·851	0·80	...	...	...	36·060	+25·570	0·80	...	...	...	19·277	-12·790	-5	...	...
2I	-52·541	-27·092	0·95	...	...	81	-35·956	+14·078	-5	M	...	141	-19·189	+38·711	-4	...	...
...	52·469	+17·426	-5	...	...	...	35·782	+19·785	0·95	46·9945	10·4	*	18·481	-37·323	1·20	47·9482	9·8
...	52·145	+26·955	-2	...	...	...	35·775	+27·284	1·10	46·9946	10·5	...	18·414	-54·218	0·90	...	...
...	51·018	+8·729	0·90	46·9939	10·5	...	35·260	+32·786	-4	...	...	...	18·048	+54·204	-3	...	...
...	50·997	+20·098	-5	E	...	...	35·205	+3·566	-5	...	...	...	16·782	-51·527	-4	...	...
...	-50·348	+0·782	-3	...	...	†	-35·008	-0·359	-4	M	...	*	-16·565	+25·164	0·90	46·9955	10·5
...	50·164	-45·641	-3	...	...	...	34·215	+31·542	-5	...	...	...	16·347	+54·981	-4	...	...
...	50·161	-41·591	-5	...	...	...	34·191	-45·288	0·80	...	...	S *	16·328	-31·449	1·55	47·9483	9·2
...	50·151	+25·580	-5	...	...	...	34·058	+43·770	-4	M	...	*	16·249	-57·821	1·10	48·10374	10·8
...	50·094	-30·747	-5	...	...	...	33·816	+27·195	-4	...	...	...	15·664	-5·914	1·05	47·9484	10·4
3I	-49·598	-12·562	-5	...	...	91	-33·610	-48·552	0·85	...	...	151	-15·574	-55·041	-5	M	...
...	49·266	+48·722	-4	...	...	...	33·545	+26·915	-5	M	...	...	15·454	+24·736	-5	...	...
†	49·232	+4·882	-4	...	...	...	33·483	-46·420	0·80	...	...	*	15·238	-53·446	1·00	47·9485	10·5
...	49·041	-23·351	-5	...	...	...	32·911	+20·121	0·90	...	...	...	14·935	+30·923	-4	...	...
...	49·041	-30·586	-4	E	...	...	32·002	-43·711	-5	...	...	†	14·289	-20·055	1·50	47·9486	9·2
...	-48·971	-47·641	-1	...	...	...	31·600	+43·602	-4	...	...	...	-13·966	-42·058	-4	...	...
...	48·963	-29·268	-1	...	...	...	31·416	+53·674	-4	...	...	...	13·884	+37·027	0·70	...	...
*	48·906	+43·605	1·10	46·9940	10·1	...	31·150	+33·685	0·70	...	...	...	13·777	+47·909	-1	...	...
...	48·869	-1·449	-1	...	*	...	30·875	-27·665	1·30	47·9476	9·8	...	13·261	+31·139	0·80	46·9956	10·5
...	48·595	+2·617	-2	...	...	...	30·856	+56·693	0·80	...	...	...	13·177	+40·022	-5	...	...
4I	-48·521	+25·826	-4	...	*	101	-30·439	+51·613	1·40	46·9949	10·2	*	-12·802	+15·795	1·30	46·9958	9·6
...	47·852	+30·385	-4	...	...	...	30·258	-49·942	-4	...	...	...	12·202	+50·948	-5	...	...
...	47·791	-54·337	-5	...	...	...	30·222	+51·722	-4	...	...	...	12·115	+43·081	-5	...	...
...	47·759	-46·836	-5	...	...	...	30·158	-51·397	0·65	...	...	...	12·100	+18·696	0·90	46·9959	10·5
...	47·684	+45·272	-5	E	...	*	29·922	-32·869	1·30	47·9477	9·8	...	12·016	+42·015	0·75	...	...
...	-47·487	-37·884	-3	...	...	...	29·751	+44·670	-4	...	...	...	-11·977	-13·836	-4	...	...
...	46·542	-42·931	-5	...	...	...	29·663	+10·051	-3	...	...	...	11·868	-2·163	-5	...	...
...	46·530	+9·012	-4	...	...	...	29·581	-13·734	-3	...	...	...	11·474	+56·224	-4	...	...
...	46·528	+33·501	-4	...	...	...	29·551	-41·415	-3	...	...	...	11·316	-12·122	0·75	...	...
*	45·901	-34·418	1·00	47·9473	10·5	*	29·373	-3·796	1·35	47·9479	9·8	...	10·307	+42·327	-2	...	...
5I	-45·732	-52·732	-3	...	*	111	-29·059	-53·300	4·30	47·9478	6·8	...	-9·814	-36·937	0·80	...	...
...	45·259	+19·371	-4	...	...	...	28·564	+41·306	-4	...	...	...	9·439	-49·389	-4	...	...
*	44·876	+43·921	2·00	46·9941	8·6	*	28·461	-31·082	1·05	47·9480	10·5	...	8·906	+18·180	-5	...	...
...	44·538	-11·311	0·75	...	...	...	28·379	+30·139	0·65	...	...	...	8·727	+51·073	-3	...	...
...	43·517	+39·413	-4	...	...	...	28·375	+28·809	-4	...	...	...	8·398	+22·278	-5	m	...
...	-42·603	-36·562	-2	...	...	...	28·261	+50·605	-4	...	...	...	-8·099	+44·661	0·70	...	...
...	42·298	+17·103	-2	...	...	...	27·712	+41·546	-3	...	...	...	7·974	+22·313	0·80	...	...
...	42·094	+3·077	0·65	...	...	...	27·578	+53·272	-5	...	...	...	7·971	+9·503	-5	m	...
...	41·987	+47·159	-4	...	...	...	27·431	-21·905	-4	...	...	...	6·775	+51·393	0·95	46·9960	10·5
...	41·561	+50·127	0·80	...	...	...	26·876	+37·569	0·65	...	...	...	6·754	-20·739	0·90	47·9487	10·5

ES measured from 1, 105, 198, 288.
MB " " 64, 171, 261, 361.

Notes.	Co-ordinates.		Diam. 0.70	C.P.D.		Notes.	Co-ordinates.		Diam. 0.70	C.P.D.		Notes.	Co-ordinates.		Diam. 0.70	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
181-240																			
181	- 6.670	- 38.918	- 5	o	...	241	+ 13.840	- 43.996	0.65	o	...	301	..	+ 33.921	+ 6.589	0.80	o		
...	6.258	+ 38.246	0.70	*	13.929	+ 53.046	1.10	46.9968	10.2	34.199	- 18.885	0.85	47.9504	10.5	
...	4.512	- 40.659	- 4	...	...	...	14.027	+ 21.457	- 1	...	...	...	34.895	- 10.611	- 3	...	...
...	4.407	- 41.128	- 3	...	...	...	14.235	- 21.502	0.65	...	...	...	34.933	- 10.370	- 3	...	...
...	4.376	- 39.865	0.85	47.9488	10.5	...	14.457	+ 12.945	- 4	...	...	...	35.521	+ 50.793	0.90	...	...
...	- 4.374	+ 2.198	- 4	m	+ 14.938	- 47.667	0.90	47.9498	10.5	+ 35.956	- 49.054	0.70	
...	4.355	+ 16.708	- 5	m	...	...	15.523	- 38.927	- 2	...	...	...	36.019	+ 47.062	- 5	m	...
...	3.491	- 20.892	1.30	47.9489	10.1	...	15.601	+ 13.218	- 3	...	...	...	36.353	- 17.396	0.90	47.9505	10.5
...	3.085	+ 44.723	- 5	...	...	...	15.771	+ 40.169	- 2	...	...	*	37.518	+ 53.958	1.50	46.9972	9.6
...	2.811	- 58.482	- 4	...	...	...	16.290	+ 22.970	0.90	46.9969	10.5	...	37.636	+ 28.321	- 5	...	...
191	- 2.473	- 9.874	- 4	...	...	251	+ 16.745	- 46.868	- 4	...	...	311	+ 37.692	- 12.781	- 3	...	...
...	2.448	+ 58.283	0.80	...	...	N *	17.016	- 55.038	1.20	47.9499	10.4	...	37.891	+ 21.432	0.65	...	...
*	1.681	- 21.135	1.70	47.9490	9.1	S *	17.235	- 17.663	1.35	47.9500	9.6	...	37.931	+ 46.075	- 5	m	...		
...	0.741	+ 10.153	- 4	...	...	...	17.731	- 44.077	0.70	...	...	...	38.093	- 37.708	- 3	...	...
*	0.501	+ 46.728	1.00	46.9962	10.3	...	17.834	- 46.286	- 4	...	...	...	38.646	- 38.024	- 2	...	...
...	- 0.320	- 8.776	- 5	M	...	*	+ 18.351	+ 58.073	1.80	46.9970	9.2	...	+ 38.800	- 50.525	- 5	...	...
...	0.207	+ 48.109	- 4	...	...	...	18.451	- 45.679	- 4	...	...	...	38.825	- 25.632	- 4	...	...
+	- 0.104	+ 21.193	1.25	46.9963	9.8	...	18.865	- 30.053	- 5	...	...	...	39.140	+ 45.868	- 4	...	...
...	+ 0.355	- 48.512	- 4	...	...	...	19.102	+ 23.298	- 5	...	...	...	39.242	+ 53.965	- 5	...	...
...	0.491	- 8.393	- 5	...	...	*	19.176	+ 10.999	1.15	46.9971	10.0	+	39.709	- 2.933	1.00	47.9506	10.3
201	S *	+ 0.617	- 48.087	1.40	47.9491	9.4	261	+ 19.829	- 20.753	- 5	321	S *	+ 39.929	- 53.401	1.60	47.9507	9.5
*	1.298	- 52.490	1.00	47.9492	10.5	...	20.043	+ 58.626	- 5	m	...	...	39.935	- 13.037	- 4	...	...
*	1.870	+ 39.482	1.10	46.9964	10.2	...	21.750	- 49.012	- 1	...	...	...	39.950	+ 32.866	- 5	...	...
...	2.158	- 34.081	0.80	...	...	...	22.003	+ 58.262	- 5	...	...	...	40.070	- 6.706	0.65	...	...
...	2.216	- 47.095	- 5	...	...	...	22.135	+ 45.115	- 5	...	...	...	40.193	+ 41.030	- 5	...	...
...	+ 2.683	- 43.593	- 5	...	...	...	+ 22.240	- 0.156	- 5	m	...	...	+ 40.423	+ 11.746	- 2	...	...
...	2.840	+ 57.939	- 4	...	...	...	23.007	- 44.371	0.70	...	...	...	40.559	- 2.196	- 5	...	...
...	3.227	+ 35.519	- 5	...	...	...	23.611	- 6.811	- 5	...	...	...	41.108	+ 6.354	0.95	46.9973	10.3
...	3.396	- 35.601	- 2	...	...	...	24.001	+ 39.527	- 5	...	...	S *	41.160	+ 0.706	3.95	47.9508	7.2
...	3.779	- 36.044	- 5	...	...	...	24.537	- 52.626	1.00	...	...	41.482	+ 34.782	0.85	46.9974	10.5	
211	+	3.845	- 51.528	- 5	M	...	271	+ 24.647	+ 38.248	- 5	331	S *	+ 41.793	+ 30.781	2.05	46.9975	8.7
S *	3.878	+ 14.019	1.85	46.9965	9.0	†	24.849	+ 52.862	- 5	...	...	...	42.602	- 35.226	- 5	m	...
...	3.912	- 53.598	- 3	...	...	...	24.961	+ 2.182	- 5	m	...	N	42.739	+ 58.109	0.90	46.9976	10.5
...	3.932	+ 7.830	- 4	...	...	...	25.269	+ 21.320	0.80	...	...	...	42.791	- 32.763	- 4	...	...
...	3.944	- 16.486	0.95	47.9493	10.4	...	25.481	- 56.921	- 5	m	...	...	43.188	+ 34.394	0.80	46.9977	10.5
+	4.301	+ 18.485	- 4	...	...	...	+ 25.847	+ 13.445	- 4	...	...	...	+ 43.209	- 50.858	0.65	...	...
*	4.460	- 47.768	1.50	47.9494	9.4	...	26.084	- 38.394	- 5	...	...	...	43.286	+ 8.845	- 5	...	...
...	4.528	- 54.850	- 4	...	...	...	27.042	+ 43.949	- 4	...	...	*	43.292	- 37.252	1.05	47.9509	9.8
...	5.480	- 39.643	0.90	...	...	...	27.310	- 42.349	- 3	...	...	*	43.349	+ 32.739	1.00	46.9978	10.4
...	5.640	- 37.186	- 4	...	...	*	27.742	- 38.089	1.20	47.9501	10.2	...	43.410	+ 48.776	- 4	...	...
221	*	+ 5.697	- 30.548	1.25	47.9495	9.8	281	+ 28.106	+ 52.862	- 5	341	S *	+ 43.631	+ 51.518	- 1
...	6.674	+ 11.853	0.95	46.9966	10.4	...	28.245	+ 45.992	- 5	...	...	...	44.292	- 2.690	- 4	...	...
...	7.029	+ 26.480	- 2	...	...	...	28.296	- 38.099	- 3	...	...	*	45.725	+ 37.074	2.00	46.9979	8.8
...	8.328	- 22.374	- 5	...	...	...	28.359	+ 49.220	- 5	...	...	...	45.775	+ 28.451	- 4	...	...
...	8.544	+ 59.332	- 5	...	...	...	28.803	+ 14.542	- 5	...	...	...	46.360	+ 40.172	- 2	...	...
...	+ 8.568	- 35.132	0.95	47.9496	10.4	...	+ 29.144	+ 43.640	- 5	...	...	...	+ 46.638	- 0.126	- 3	e	...
...	8.898	- 30.655	- 4	...	...	...	29.605	- 44.907	- 5	...	...	...	46.910	- 27.376	- 5	...	...
...	9.025	+ 51.963	- 5	...	...	...	29.928	+ 7.567	0.80	...	...	...	47.047	- 6.907	- 5	...	...
...	9.325	- 16.109	- 4	...	...	...	30.742	- 11.732	- 3	...	...	...	47.391	+ 0.810	- 5	e	...
...	10.508	+ 48.473	- 5	...	...	...	30.757	- 7.111	- 4	...	...	...	47.442	+ 55.926	- 1	...	...
231	+	10.653	- 45.109	0.95	47.9497	10.5	291	+ 30.889	- 30.199	0.65	351	S *	+ 47.456	- 54.367	- 5
...	10.926	- 1.617	- 1	...	...	...	31.027	- 23.208	- 5	...	...	...	47.498	+ 6.101	- 3	...	...
...	10.943	- 5.240	- 1	...	...	...	31.801	+ 44.174	- 5	...	...	...	47.983	+ 27.251	- 4	...	...
...	11.861	+ 43.064	- 4	...	...	*	31.985	- 4.864	1.25	47.9502	9.8	...	48.080	+ 24.238	- 4	...	...
...	12.074	+ 55.867	- 5	m	...	*	32.487	- 25.273	1.05	47.9503	10.1	*	48.494	- 23.147	1.00	47.9510	10.2		
...	+ 12.259	+ 6.112	- 5	...	...	...	+ 32.679	- 19.219	- 5	...	...	...	+ 48.560	+ 58.083	0.80	...	...
...	13.061	+ 46.881	- 5	...	...	...	32.936	+ 1.935	- 5	m	...	...	48.890	- 39.565	- 5	...	...
...	13.105	+ 17.247	1.00	46.9967	10.4	...	33.007	+ 0.209	- 5	...	...	*	49.073	+ 13.546	1.90	46.9980	9.0
...	13.281	- 26.345	- 5	...	...	...	33.155	+ 36.178	- 4	...	...	...	49.199	+ 4.448	- 5	e	...
...	13.749	- 42.863	- 5	...	...	...	33.337	- 38.016	- 5	...	...	...	49.212	+ 18.112	- 4	...	...

252. Mass. 48°. 123, two stars.

333. Mass. 46°. 123, two stars.

Notes.	Co-ordinates.		Diam. 0·70	C.P.D.		Notes.	Co-ordinates.		Diam. 0·70	C.P.D.		Notes.	Co-ordinates.		Diam. ...	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-380																	
361 S †	+49·837	-35·541	2·70	47·9511	7·8	381	+55·158	+39·115	1·00	46·9983	10·4						
...	50·345	+51·235	-5	...	...	...	55·444	-10·969	0·85	...	...				
...	50·856	-17·058	-1	...	...	...	55·666	-9·708	0·90	...	...				
...	51·117	-45·159	-5	...	...	...	55·679	-55·972	1·05	...	...				
...	51·270	+12·098	-5	e	...	...	55·762	+59·190	-1	...	...				
...	+51·777	-41·963	-5	...	...	...	+55·871	+32·732	-4	...	...				
...	51·879	-29·609	-5	...	...	...	57·059	-4·837	-3	...	...				
*	52·309	-11·737	1·70	47·9512	9·1	*	57·513	-35·776	1·10	47·9515	10·3						
...	52·485	+11·182	0·90	...	...	...	57·812	-22·362	-5	...	...				
...	52·719	-23·685	0·85	...	...	†	57·862	+34·847	0·80	...	...				
371	+52·893	-12·018	-5	...	...	391	+58·000	+9·208	-5	...	...				
...	53·332	-5·565	-5	...	...	...	58·215	-23·773	1·00	...	...				
*	53·558	-11·238	1·15	47·9513	10·2	...	58·339	-26·442	-5	...	...				
...	53·593	+42·751	-5	m	...	...	58·658	+7·190	-4	...	...				
...	54·322	-16·984	0·70	...	...	...	58·674	-56·553	1·00	48·10404	10·4						
†	+54·744	+12·374	-2	...	...	...	+58·786	-12·788	-5	...	...				
†	54·763	-1·722	0·95	47·9514	10·0	...	58·885	-8·460	-5	...	...				
...	54·868	-8·479	-5	...	...	...	59·015	+55·481	-4	...	...				
*	54·907	-45·874	-5	...	...	...								
*	55·154	+33·216	1·50	46·9984	9·6												

1-30					31-60					61-90							
I	-60·125	+12·223	-5	° M	S *	-51·344	-35·559	2·75	47·9511	7·8	61	-44·151	-50·042	-5	...	...
...	60·031	+32·476	1·05	46·9978	10·4	...	50·955	-17·070	-3	...	...	43·931	+7·419	-4	...	...
...	59·381	+4·744	-5	M	...	...	50·947	-30·681	-5	...	...	43·817	-22·144	-5	...	...
...	59·341	+8·587	-3	...	...	†	50·210	+11·213	-1	...	...	*	43·700	-35·545	1·00	47·9515	10·3
...	58·723	+42·434	-5	...	...	...	50·134	-0·241	-5	M	...	...	43·382	-23·544	0·70	...	...
...	-58·513	-33·019	-3	...	...	...	-49·784	-45·154	-5	...	...	...	-43·195	-8·202	-5	...	...
...	57·974	-2·910	-3	...	...	*	49·652	-11·689	1·70	47·9512	9·1	...	43·170	-26·220	-5	...	...
*	57·855	-37·485	1·10	47·9509	9·8	...	49·511	-29·572	-5	...	...	...	43·157	-12·537	-5	...	...
*	57·787	+36·883	1·90	46·9979	8·8	...	49·231	-41·930	-4	...	...	...	42·853	+8·454	-5	M	...
...	57·672	+29·202	-5	M	...	...	49·069	-11·965	-5	...	...	*	42·521	+45·145	1·20	46·9985	10·0
II	-57·517	-51·095	0·65	...	...	41	-48·881	-23·630	-1	...	...	71	-42·062	+6·529	-3	...	...
...	57·469	+28·271	-4	...	...	...	48·839	-5·488	-4	...	...	...	42·053	+38·494	-4	...	...
...	57·274	+40·008	-2	...	...	...	48·461	+59·311	0·75	...	...	*	41·867	-56·268	1·00	48·10404	10·4
...	56·696	+55·770	-1	...	...	...	48·432	+39·228	0·90	46·9983	10·4	*	41·807	-6·722	1·05	47·9516	10·3
...	55·700	-0·273	-3	E	...	...	48·422	-11·152	0·95	47·9513	10·2	+	41·265	-15·047	1·50	47·9517	9·1
...	-55·649	+57·971	0·85	...	...	*	-48·247	+33·326	1·40	46·9984	9·6	...	-41·159	-34·752	-5	M	...
†	55·245	+27·143	-3	...	...	...	48·005	+12·483	-1	...	...	...	40·901	+18·288	-4	...	...
...	55·064	-7·045	-5	...	...	...	47·513	+32·874	-4	...	...	...	40·774	-0·809	0·85	...	...
...	55·042	+24·134	-3	...	...	*	47·505	-1·604	1·00	47·9514	10·0	...	39·820	+19·467	0·90	...	...
...	55·042	+5·985	-1	...	...	...	47·493	-16·877	-2	...	...	...	39·596	+18·660	0·70	...	...
21	-54·988	+0·695	-5	E	...	51	-47·202	-8·351	-5	...	...	81	-39·473	-37·746	0·85	...	...
...	54·560	-27·494	-5	...	...	...	46·554	-10·832	0·70	...	...	...	38·660	-47·526	-5	M	...
...	53·708	+18·047	-3	...	...	...	46·365	-9·552	0·65	...	...	...	38·212	-51·354	0·90	...	...
*	53·699	+13·482	1·80	46·9980	9·0	...	45·981	-45·733	-5	...	...	†	38·120	+14·938	-5	M	...
...	53·303	+4·370	-5	E	...	...	45·604	+35·042	0·85	...	...	...	38·097	+31·134	-5	M	...
...	-53·164	-54·471	-5	...	...	...	-45·136	-4·647	-3	...	...	...	-37·642	-23·067	0·90	...	...
*	53·101	-23·217	1·00	47·9510	10·2	...	45·103	+55·705	-1	...	...	...	37·560	+14·353	0·85	...	...
...	52·367	-5·115	-5	M	...	...	44·888	-55·774	1·00	...	...	...	37·406	+18·716	-5	M	...
...	52·205	-39·623	-5	...	...	...	44·784	+40·665	-5	M	...	*	37·280	-17·325	1·50	47·9518	9·0
...	51·457	+12·096	-5	E	...	...	44·654	+9·416	-5	...	...	...	37·254	+14·363	0·85	...	...

ES measured from 1, 119, 218, 326.
 MB " 79, 187, 291, 398.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.		x.	y.	0.65	No.	Mag.	
91-150																		
9 ^I	-36°554	-15°303	-5	o	...	15 ^I	-19°301	+12°216	-5	o	...	21 ^I	-2°778	-16°581	1°15	47° 9525	10°5	
...	36°875	-22°328	-5	...	...	...	18°949	+5°015	0°70	...	...	...	1°605	-39°591	-5	...	...
...	36°717	+18°256	0°85	...	...	*	18°936	-14°639	1°30	47° 9520	9°6	...	1°587	+41°567	0°90	...	...
...	36°325	-9°399	-1	...	...	...	18°890	+33°185	-5	...	...	...	1°412	+23°902	-3	...	...
†	36°314	+9°903	-2	...	...	...	18°860	+7°368	-4	...	...	...	1°150	+50°262	0°85	...	...
...	-35°935	+22°463	-4	...	...	...	-18°820	+0°424	-2	...	...	...	0°651	-49°126	-3	...	...
...	35°787	-24°293	-5	...	...	...	18°802	+19°968	0°70	46° 9997	10°5	...	0°634	-50°937	-3	...	...
...	35°643	-56°604	-5	...	...	...	18°598	-38°402	-4	...	...	...	0°158	-50°643	-5	...	...
S *	35°373	-14°702	1°50	47°9519	9°0	*	18°385	+27°264	1°25	46° 9998	9°6	...	+ 0°001	-23°775	0°65	...	...
...	35°160	-8°051	-3	...	...	...	17°669	+36°651	-3	...	...	...	0°143	+30°480	0°85	46°10006	10°4
10 ^I	151-210																	
...	-34°472	+4°148	-5	...	...	16 ^I	-17°405	-32°044	-5	...	...	...	+ 0°404	+31°612	0°85	46°10007	10°4
...	34°350	+7°156	0°75	...	...	*	17°322	+43°167	1°00	46° 9999	10°3	...	0°447	-38°473	0°65	...	...
...	34°348	-30°280	-4	...	...	S *	16°825	+12°640	1°90	46°10000	9°0	...	0°514	-33°345	-5	...	...
...	33°821	+52°675	1°05	...	...	...	16°689	-46°082	-4	...	...	...	0°868	+8°295	-5	M	...
...	33°525	-41°523	-3	...	...	...	16°677	-53°792	-2	...	...	...	0°999	-53°067	0°85	47° 9526	10°5
...	-33°129	+47°242	-5	...	...	...	-16°591	-1°569	0°75	47° 9522	10°5	...	+ 1°084	+49°453	-4	...	...
...	33°105	+4°728	-3	M	...	...	16°558	-36°367	0°90	47° 9521	10°5	...	1°415	+14°779	-4	...	...
*	32°662	+28°509	1°10	46°9986	10°3	...	16°553	+25°268	-5	...	...	...	2°636	-42°707	-4	...	...
...	32°294	-32°820	-5	...	...	...	15°792	+56°355	-5	M	...	...	3°923	+35°407	-3	...	...
...	32°265	-56°352	0°75	...	...	...	15°638	-52°759	-4	...	...	...	4°074	-59°303	0°95	48°10426	10°0
11 ^I	211-270																	
...	-31°932	+55°194	-5	17 ^I	-14°632	-38°224	-5	S *	+ 4°227	+50°408	1°30	46°10008	9°1
...	31°709	+30°437	0°95	46°9987	10°5	...	14°318	+2°752	-5	...	...	...	4°306	+46°315	-5	M	...
...	31°293	+27°131	-5	...	...	...	14°091	+40°919	-4	M	...	...	4°354	+54°498	0°95	46°10009	10°5
...	31°128	+6°195	0°70	...	...	...	13°906	+15°299	-5	...	...	...	4°369	-24°631	0°80	47° 9527	10°5
...	30°778	-49°120	-1	...	...	...	12°523	-22°997	-5	...	...	...	4°764	-7°258	-4	...	...
...	-30°624	+18°907	-4	...	...	...	-12°387	-4°770	-5	...	...	...	+ 4°783	-29°661	0°85	47° 9528	10°5
*	30°592	+11°481	1°40	46°9988	9°6	*	12°212	+56°204	1°25	46°10002	9°6	...	4°906	-30°390	-4	...	...
...	30°582	+32°891	0°70	...	...	*	11°994	+53°348	1°20	46°10003	9°8	...	5°362	+50°943	0°80	46°10010	10°5
...	29°958	+23°450	-4	11°378	+47°702	-4	S *	5°631	-34°781	1°70	47° 9529	9°0
...	29°811	+7°372	0°75	...	...	...	11°195	+39°907	-4	...	...	...	5°822	-45°028	-5	...	...
12 ^I	181																	
...	-29°175	+24°050	-4	...	...	...	-10°931	-59°131	-5	M	...	...	+ 5°840	-57°619	-5	...	...
...	29°064	-8°441	-1	...	...	...	10°699	-59°068	-3	...	...	...	5°906	+34°680	-5	M	...
...	28°872	-23°285	-5	...	...	*	10°564	-31°180	1°00	47° 9523	10°5	...	5°936	-56°538	-3	...	...
...	28°749	-37°453	-5	...	...	†	10°526	-15°074	-5	...	...	...	5°952	+11°059	-4	...	...
*	28°084	+12°059	1°00	46°9990	10°2	...	10°418	-5°376	-2	...	...	...	5°959	-32°405	0°90	47° 9530	10°4
...	-27°433	+36°852	-5	...	...	†	-10°372	-16°062	-4	...	...	...	+ 5°990	-49°623	-4	...	...
...	26°478	+2°186	-5	M	...	...	10°156	-58°031	-4	...	...	...	6°116	+47°361	-5	M	...
...	26°399	+0°154	-5	M	...	...	9°963	+46°544	0°80	...	...	...	7°271	-15°758	-3	...	...
...	26°092	+35°547	-4	...	...	...	9°664	+12°461	0°65	...	...	...	7°558	-43°623	-3	...	...
...	25°634	+40°746	-5	M	...	...	9°361	+34°772	-5	...	...	...	7°595	-24°967	-4	...	...
13 ^I	191																	
...	-25°400	+22°770	-4	...	...	...	-9°291	+9°468	0°85	...	...	...	+ 7°877	-1°730	-1	...	...
*	25°393	+45°400	1°60	46°9991	9°2	...	9°236	+33°050	0°70	...	...	...	7°971	-59°709	-5	...	...
...	25°368	-58°508	-1	...	...	...	8°640	+7°698	-4	...	...	...	8°185	-24°259	-4	...	...
S *	24°342	+30°968	3°10	46°9992	7°6	*	8°583	+41°548	1°05	46°10005	10°2	*	8°322	-3°762	1°00	47° 9531	10°3	
...	23°823	+55°289	-5	M	...	...	8°528	+30°517	-3	...	...	...	8°384	+7°072	-4	...	...
...	-23°817	+3°664	-4	...	...	*	-8°507	+34°599	1°15	46°10004	10°0	...	+ 8°726	+26°437	-5	...	...
...	23°461	-22°447	0°75	...	...	...	8°082	+32°715	-4	...	...	...	9°073	+45°261	-5	...	...
...	23°326	+39°996	-5	M	...	...	7°708	+41°464	-5	...	...	...	9°127	+58°591	-5	...	...
...	22°967	+54°458	0°70	...	...	...	7°228	+24°205	-5	M	...	...	9°724	+17°481	0°70	...	...
...	22°081	+6°880	-5	...	...	...	6°947	+10°635	-5	M	...	...	10°689	-10°962	-5	...	...
14 ^I	201																	
*	-21°784	+45°218	1°70	46°9993	9°1	...	-6°641	+53°822	-5	M	...	*	+ 11°315	+34°034	1°10	46°10011	10°1	
...	21°495	+32°005	-3	...	...	...	6°504	-35°811	-3	...	...	...	11°344	-16°293	-4	...	...
...	20°936	+44°301	-5	...	...	...	6°414	-14°187	1°00	47° 9524	10°5	...	11°398	-35°271	-5	...	...
...	20°666	+20°571	-4	...	...	...	5°944	-32°450	-4	...	...	...	11°687	-41°935	-3	...	...
†	20°301	+50°700	1°20	46°9994	9°8	...	5°908	-56°941	0°90	...	...	...	11°740	-41°912	-3	...	...
...	-20°211	-44°776	-5	M	...	...	-5°406	+59°110	-4	...	...	...	+ 11°897	-52°084	-4	...	...
...	20°157	+58°155	-4	...	...	...	5°056	-5°757	-3	M	...	...	11°917	-24°960	-5	...	...
...	20°100	+6°097	-5	...	...	...	3°850	-58°936	-5	...	...	...	12°099	-46°852	-4	...	...
...	19°467	+28°242	0°90	46°9995	10°3	...	3°235	-59°665	-5	...	...	...	12°295	+37°036	-5	...	...
...	19°466	+51°424	-5	M	...	...	2°866	-49°994	-5	...	...	...	12°570	+50°395	0°80	46°10012	10°5

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.		x.	y.	o.65	No.	Mag.
271-330																	
271	+13°493	+42°937	0.70	o.	...	331	+30°802	-39°243	-2	o.	...	391	+46°938	-11°150	-3	o.	...
...	13°921	+35°217	-5	...	...	...	31°102	-10°276	0.65	...	...	*	46°970	+21°935	0.95	46.10027	10°4
...	14°161	+46°179	-5	...	...	...	31°265	+16°270	-4	...	...	...	47°313	-48°299	0.65	...	...
...	14°162	+40°270	-2	...	...	...	31°383	+10°043	-3	...	...	...	47°450	-22°051	-5	e	...
...	14°394	-3°559	-2	...	...	...	31°421	-23°267	-4	...	...	S *	48°515	+38°280	1.40	46.10028	9°2
+	+14°596	-48°049	-1	...	...	...	+31°468	-8°143	0.65	...	...	...	+49°180	+57°093	-5	...	...
+	14°635	-34°674	-2	...	...	...	31°901	+40°710	0.65	...	...	...	49°296	-24°100	-5	...	...
S *	16°717	+5°802	1.90	46.10013	8.8	...	31°941	-53°739	-5	m	...	...	49°835	-19°092	-4	...	...
...	16°902	-27°808	0.75	...	...	...	31°946	+50°265	-5	...	...	...	49°978	+17°052	-5	...	...
...	17°135	+30°306	-5	...	...	...	32°083	+1°216	-3	...	...	...	50°058	+9°122	-3	...	...
281	+17°555	-34°698	-1	...	...	341	+32°179	+39°009	0.75	...	...	401	+50°161	+43°943	-5	...	...
...	17°610	+3°221	-3	...	...	...	32°248	+17°930	-5	...	...	...	50°258	+6°219	-3	...	...
...	17°810	-28°331	-5	...	...	...	32°476	-44°563	-2	...	...	...	50°259	-29°464	-2	...	...
...	17°976	+38°411	-5	...	...	...	32°922	-31°634	-5	...	...	...	50°418	-31°426	0.80	...	...
...	18°434	+27°195	-5	...	...	...	33°129	-41°911	0.75	...	...	...	50°557	+35°357	0.90	...	...
...	+18°624	+48°379	-5	...	...	...	+33°129	-54°686	-5	m	...	S *	+50°693	+11°489	1.15	46.10030	9°5
...	18°651	+51°730	-5	...	...	...	33°258	+51°788	0.90	46.10019	10.3	...	51°133	+39°517	0.75	...	...
...	18°838	+34°302	-1	...	...	...	33°435	+14°210	-5	...	...	*	51°138	+43°412	1.15	46.10029	10.1
...	19°009	-58°367	-3	...	...	...	34°698	+2°006	-2	...	...	...	51°639	+44°018	-4	...	...
...	19°411	+34°520	-5	...	...	...	34°979	+0°047	1.10	47.9532	10.1	...	51°655	+13°604	0.65	...	...
291	+19°818	-11°166	-2	...	...	351	+35°020	-59°516	-5	...	...	411	* +51°758	+30°738	1.00	...	...
+	19°841	-54°978	-5	...	...	...	35°192	+15°345	-2	...	...	...	52°530	+32°003	-2	...	...
...	20°032	+39°409	-4	...	...	...	35°244	-42°113	-3	m	...	...	53°102	-25°532	1.00	47.9536	10.5
...	* 20°327	-11°732	0.95	...	...	...	35°256	-28°566	-3	...	...	...	53°595	+35°481	-5	...	...
...	20°680	-53°456	-5	...	...	...	35°344	-4°240	0.80	47.9533	10.5	...	53°688	+24°367	-4	...	...
+	+21°016	-55°393	1.15	48.10433	9.4	...	+35°474	+1°612	-5	...	...	...	+53°821	-18°888	-4	...	...
+	21°110	+29°813	-3	...	...	...	35°790	-38°881	-4	...	...	...	54°429	+53°549	-5	...	...
...	21°629	-44°515	-4	...	...	*	35°796	+46°824	0.95	46.10020	10.3	...	54°561	-47°522	-4	...	...
...	21°811	-59°550	1.00	...	...	...	36°239	-48°363	-4	...	...	...	54°811	-27°512	0.85	...	...
...	21°910	+28°245	-2	...	...	...	36°485	+3°370	-3	...	...	...	54°916	-52°406	0.75	...	...
301	+21°980	-57°084	-5	m	...	361	+37°052	-59°288	-5	...	...	421	+55°316	-35°149	-5	e	...
*	21°988	+23°875	1.20	46.10014	9.8	...	37°178	+10°236	-2	...	...	...	55°646	+47°758	-5	...	...
+	22°489	-20°026	0.65	...	...	*	37°448	-2°101	1.40	47.9534	9.2	...	55°697	-15°156	-5	e	...
...	23°277	-11°248	-5	...	...	...	37°741	+55°524	-1	...	...	S *	55°952	-38°905	6.00	47.9537	5.8
*	23°548	+50°175	-5	...	...	...	38°729	+49°117	-5	...	...	*	56°477	+33°095	1.10	...	...
+	+23°802	+37°514	1.05	46.10015	10.1	...	+38°847	-27°360	0.70	...	...	...	+56°839	+36°648	-4	...	...
...	24°298	-44°594	-5	m	...	...	39°051	+24°150	-4	...	...	...	57°056	+7°528	-4	...	...
...	24°798	-26°150	0.85	...	...	...	40°237	-15°139	-4	...	...	...	57°837	+20°189	-5	...	...
...	25°543	+47°428	-5	...	...	...	40°399	-59°428	-2	...	...	...	58°349	-11°384	0.70	...	...
...	25°574	+23°223	-5	...	...	S *	41°054	-54°212	1.45	47.9535	9.6	...	58°994	-14°380	-5	...	...
311	+25°869	+31°514	-3	...	...	371	+41°522	+30°216	-5	...	...	431	+59°134	-28°394	-1	...	...
...	26°531	+52°485	1.00	46.10016	10.5	...	41°532	+25°994	-5	...	...	...	59°291	+21°062	-2	...	...
...	26°612	+2°776	-5	...	...	...	41°838	-45°298	-3	...	...	...	...	...	...	...
...	26°966	-2°625	0.70	...	...	...	42°301	-33°124	0.70	...	...	...	...	...	...	...
...	26°967	-37°120	0.70	...	...	...	42°383	-36°116	-4	...	...	...	...	...	...	...
...	+27°524	+13°655	-5	...	...	+	43°437	-14°997	-3	...	...	...	...	...	...	...
...	27°691	+45°832	-4	...	...	...	43°669	-31°346	-5	...	...	...	...	...	...	...
...	28°400	+28°620	-3	...	...	...	43°716	+27°765	0.80	46.10022	10.5	...	...	...	...	...
...	28°531	+23°409	-2	...	...	...	44°064	+10°932	-5	m	...	...	...	...	...	...
...	28°565	+40°838	0.90	...	...	...	44°087	+2°924	-5	...	...	...	...	...	...	...
321	+28°855	+55°054	-4	...	...	381	+44°148	+18°584	0.90	46.10023	10.2	...	...	...	...	...
...	29°017	-54°218	-5	m	...	...	44°376	+51°721	0.80	...	...	...	...	...	...	...
...	29°107	+28°991	-4	...	...	...	44°731	+48°558	0.95	46.10024	10.4	...	...	...	...	...
...	29°209	+10°277	-5	...	...	...	44°756	-40°624	-5	...	...	...	...	...	...	...
+	29°230	-50°000	-5	...	...	*	45°248	+37°382	0.95	46.10025	10.4	...	...	...	...	...
*	+29°956	+36°396	1.00	46.10017	9.8	...	+45°411	+29°646	-2	...	...	...	...	...	...	...
...	30°021	+28°751	-3	...	...	...	45°593	-8°995	-5	...	...	...	...	...	...	...
...	30°159	+48°473	1.50	46.10018	9.5	...	45°629	+12°645	-5	...	...	...	...	...	...	...
...	30°193	+4°081	-5	...	...	*	46°070	+6°419	1.00	46.10026	10.3	...	...	...	...	...
...	30°546	-22°110	-4	...	...	...	46°596	+19°685	-2	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.
1-60						61-120						121-180					
I	-59° 6' 11	+51° 45' 6	0·70	°	...	61	-46° 27' 2	+50° 54' 0	-5	°	...	I 21	-30° 30' 5	+23° 32' 7	1·10	46·10038	9·8
S *	59° 52' 5	-54° 51' 0	1·50	47· 9535	9·6	...	46° 26' 1	-47° 40' 4	-3	...	...	...	29° 74' 6	-52° 82' 4	0·90	47· 9539	10·5
...	59° 50' 7	+27° 49' 0	0·80	46·10022	10·5	...	46° 16' 7	-15° 01' 3	-4	E	...	...	28° 97' 7	+38° 56' 2	-5	...	...
*	59° 15' 3	+48° 29' 6	1·00	46·10024	10·4	...	45° 98' 6	+3° 43' 6	-5	...	...	*	28° 96' 8	+1° 74' 3	1·00	47· 9540	10·0
...	59° 02' 7	-45° 58' 3	-2	...	...	...	45° 97' 0	+50° 39' 3	-5	...	...	...	28° 75' 2	+26° 66' 1	-3	...	...
...	-58° 96' 1	-33° 40' 6	0·80	...	...	...	-45° 89' 5	-34° 99' 1	-5	E	...	*	-28° 70' 0	+6° 88' 4	0·90	46·10040	10·4
...	58° 78' 4	-36° 38' 7	-4	...	...	...	45° 85' 1	+24° 39' 8	-5	...	...	...	28° 63' 1	+19° 26' 0	-4	...	...
*	58° 77' 8	+18° 33' 3	0·95	46·10023	10·2	...	45° 73' 6	-52° 26' 5	0·70	...	...	...	28° 47' 0	+3° 15' 5	0·75	...	...
...	58° 42' 1	-15° 25' 2	-3	...	...	...	45° 53' 6	+7° 70' 2	-4	...	...	...	28° 29' 7	-0° 53' 2	-5	...	...
...	58° 34' 1	+2° 68' 1	-4	...	...	...	45° 48' 5	-39° 79' 3	-5	M	...	...	27° 28' 8	+32° 51' 3	-5	...	...
II	-58° 27' 8	+37° 15' 5	1·00	46·10025	10·4	71	-45° 15' 2	+20° 38' 4	-4	...	...	131	-27° 14' 8	+1° 80' 3	-4	...	...
...	57° 86' 1	+29° 42' 5	0·65	...	...	S †	45° 11' 5	-38° 71' 9	6·00	47· 9537	5·8	...	26° 98' 8	-29° 38' 0	-5	...	...
...	57° 65' 3	-31° 59' 6	-5	...	...	†	44° 83' 6	+20° 14' 9	-4	...	...	...	26° 93' 2	+47° 92' 5	-5	...	...
...	57° 53' 4	+1° 65' 0	-5	...	...	...	43° 73' 8	+21° 29' 1	-3	...	...	...	26° 71' 9	+5° 55' 8	-3	...	...
...	57° 10' 8	+12° 45' 1	-5	...	...	...	43° 03' 7	-11° 15' 4	0·70	...	...	...	26° 52' 0	-56° 51' 4	-5	...	...
...	-57° 07' 9	-0° 17' 3	-5	M	...	...	-42° 90' 0	-14° 13' 3	-5	...	...	...	-26° 48' 2	-42° 49' 8	-5	M	...
...	56° 98' 8	-12° 52' 2	-5	...	...	...	42° 31' 9	-28° 14' 5	0·70	...	...	*	26° 31' 3	-39° 80' 1	0·80	47· 9541	10·5
*	56° 46' 4	+6° 24' 5	0·90	46·10026	10·3	...	41° 94' 6	+54° 57' 6	0·80	...	...	...	26° 20' 9	+24° 86' 5	-4	...	...
...	56° 44' 1	-9° 17' 6	-4	...	...	*	41° 83' 3	+23° 21' 4	0·95	46·10031	10·5	...	25° 42' 8	-26° 90' 8	-5	...	...
...	56° 37' 0	+19° 51' 2	-2	...	...	...	41° 80' 5	+15° 25' 9	-2	...	...	...	25° 02' 5	-47° 34' 5	-5	M	...
21	-56° 27' 8	-40° 82' 7	-5	...	...	81	-41° 66' 0	+47° 53' 1	-5	...	...	141	-24° 15' 0	+28° 40' 2	-5	...	...
*	56° 05' 7	+21° 77' 2	0·90	46·10027	10·4	*	41° 57' 9	+42° 71' 9	1·00	46·10032	10·2	...	23° 57' 0	+28° 29' 3	-2	...	...
S †	55° 04' 4	+38° 15' 3	1·35	46·10028	9·2	...	41° 53' 8	+18° 03' 3	-5	...	...	*	22° 65' 0	-46° 11' 7	1·05	47· 9542	10·1
...	55° 03' 1	-11° 28' 1	-2	...	...	...	40° 99' 5	+47° 05' 3	-5	...	...	...	22° 61' 9	+24° 26' 2	-4	...	...
...	54° 42' 0	-21° 57' 0	-5	M	...	†	40° 92' 8	+50° 03' 7	-5	...	...	...	22° 33' 6	+20° 11' 7	-2	...	...
...	54° 35' 8	-31° 72' 2	-5	...	...	...	-40° 76' 4	+58° 55' 0	0·85	46·10033	10·5	...	-21° 85' 9	-34° 52' 4	-4	...	...
...	54° 18' 4	-22° 16' 1	-5	E	...	*	40° 58' 1	-55° 34' 3	1·15	48·10445	9·8	...	21° 77' 5	-58° 79' 5	-4	...	...
†	54° 08' 3	+59° 99' 9	-4	M	...	...	40° 48' 5	-18° 40' 2	0·85	...	...	...	21° 72' 8	-50° 43' 5	-3	...	...
...	53° 47' 1	-48° 40' 3	-2	...	...	...	39° 75' 5	-15° 94' 0	0·85	...	...	...	21° 70' 0	-14° 85' 6	-5	M	...
...	53° 29' 0	-33° 18' 1	-5	M	...	*	39° 73' 1	+41° 81' 5	1·15	46·10034	9·6	...	21° 60' 5	-10° 33' 1	-3	...	...
31	-52° 92' 1	+35° 29' 3	-2	...	...	91	-39° 34' 6	+33° 02' 4	0·80	...	...	151	-21° 54' 4	-31° 14' 8	-3	...	...
...	52° 90' 3	+16° 99' 8	-5	...	...	...	38° 36' 3	-54° 45' 8	0·75	...	...	...	21° 51' 1	-21° 79' 6	-5	...	...
...	52° 74' 4	+0° 99' 6	-5	...	...	...	38° 23' 0	-20° 25' 0	0·75	...	...	...	21° 44' 6	+52° 83' 7	-5	...	...
*	52° 58' 8	+43° 36' 6	1·05	46·10029	10·1	...	38° 16' 8	+26° 30' 6	0·65	...	...	*	21° 26' 4	-58° 32' 4	-5	...	...
...	52° 57' 5	+9° 07' 0	-3	...	...	...	38° 11' 2	-12° 26' 1	-4	...	...	...	21° 25' 6	+21° 49' 5	1·05	46·10041	10·1
...	52° 48' 1	+39° 47' 3	-2	...	...	...	-37° 94' 2	+46° 50' 4	0·75	...	...	...	-20° 60' 1	-35° 99' 4	-5	...	...
...	52° 27' 1	+6° 18' 2	-3	...	...	...	37° 69' 1	-36° 24' 4	-5	M	...	...	20° 33' 7	-31° 08' 3	-5	...	...
...	52° 26' 6	-24° 15' 3	-4	...	...	...	37° 62' 0	+13° 09' 0	0·75	...	...	...	19° 85' 2	+29° 52' 2	-5	...	...
...	52° 10' 6	+43° 98' 9	-3	...	...	...	37° 19' 4	+35° 74' 4	0·65	...	...	...	19° 74' 5	-17° 74' 7	-5	...	...
S *	52° 01' 3	+11° 45' 8	1·20	46·10030	9·5	*	37° 12' 6	-7° 27' 5	0·85	...	...	...	19° 61' 3	+6·645	-4	...	...
41	-51° 99' 9	+14° 92' 0	-5	...	...	101	-36° 55' 0	+54° 37' 2	-5	...	...	161	-19° 47' 8	-18° 87' 5	-2	...	...
...	51° 88' 8	-19° 15' 0	-4	...	...	...	36° 50' 9	+24° 60' 6	-5	...	...	*	19° 21' 3	-9° 77' 5	-3	...	...
...	51° 72' 4	-13° 87' 9	-5	...	...	...	36° 17' 4	-6° 98' 0	-5	...	...	...	19° 08' 3	-36° 25' 9	-4	...	...
...	51° 57' 3	+30° 72' 8	0·70	...	...	...	35° 75' 7	+39° 45' 1	-2	...	...	...	18° 83' 3	+49° 99' 3	-5	...	...
...	51° 19' 5	-10° 02' 1	-5	M	...	...	35° 69' 3	+50° 70' 9	-5	...	...	...	18° 76' 9	+47° 07' 7	-5	...	...
...	-51° 12' 9	+13° 59' 6	-3	...	*	...	-35° 68' 0	+44° 00' 5	1·00	46·10035	10·5	...	-18° 70' 0	+8° 74' 8	0·80	...	...
...	51° 12' 6	-29° 48' 3	-3	...	...	...	34° 68' 9	-31° 85' 2	0·70	...	...	...	18° 61' 8	+38° 29' 9	-5	...	...
...	50° 90' 9	-31° 43' 4	-2	...	...	...	34° 32' 3	+42° 43' 4	0·70	...	...	...	18° 20' 8	+21° 10' 7	-3	...	...
...	50° 84' 9	+32° 01' 6	-3	...	...	...	34° 08' 6	+27° 12' 6	1·05	46·10036	10·2	...	17° 35' 6	-50° 05' 7	-5	...	...
...	49° 87' 7	+35° 50' 9	-5	...	*	...	33° 61' 7	+31° 04' 6	1·00	46·10037	10·4	...	16° 75' 5	-46° 41' 8	-5	...	...
51	-49° 60' 9	+53° 59' 2	-4	...	...	111	-33° 19' 4	+57° 18' 2	-5	...	...	171	-16° 30' 9	+12° 48' 2	0·80	...	...
...	49° 44' 4	+24° 41' 7	-4	...	...	...	32° 17' 1	+3° 65' 7	-4	...	...	S *	16° 30' 6	-10° 76' 3	2·55	47· 9543	8·3
...	48° 54' 1	+30° 56' 4	-5	...	...	...	31° 83' 5	-32° 61' 2	-5	...	...	...	16° 01' 2	+45° 69' 6	-5	...	...
*	48° 42' 4	-25° 45' 2	0·85	47· 9536	10·5	...	31° 66' 0	-29° 36' 8	-5	M	...	*	15° 83' 1	-51° 98' 0	0·85	...	...
...	48° 22' 4	+47° 84' 5	-3	...	...	...	31° 40' 5	-49° 91' 4	-4	...	...	*	15° 52' 5	+16° 31' 8	0·85	46·10042	10·5
...	-48° 19' 6	+17° 53' 5	-5	...	...	...	-31° 20' 7	+26° 19' 3	-4	...	...	...	-14° 92' 4	-4° 62' 1	-5	...	...
...	47° 90' 8	-18° 80' 8	-4	...	*	...	31° 16' 5	-17° 79' 7	1·10	47· 9538	10·3	...	14° 61' 7	-2° 79' 3	-4	...	...
*	46° 92' 7	+33° 23' 0	0·90	...	...	...	30° 46' 9	-17° 24' 4	0·85	...	...	...	14° 60' 9	-32° 55' 6	-5	...	...
...	46° 68' 9	+36° 77' 9	-4	...	...	...	30° 33' 6	-18° 53' 2	-5	M	...	*	14° 50' 1	+13° 35' 6	1·05	46·10043	10·5
...	46° 64' 1	-27° 39' 1	0·65	...	*	...	30° 30' 8	+39° 58' 9	1·00	46·10039	10·5	...	14° 43' 2	+35° 73' 8	-4	...	...

ES measured from 1, 122, 239, 358.<

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		x.	y.	0·65	No.	Mag.		
181-240																			
181	-14·163	-2·222	-5	M	...	241	+0·810	-35·864	0·90	47·9548	10·4	301	+14·528	-19·477	-5	...	...
*	13·552	+15·606	1·05	46·10044	10·3	*	1·076	+39·852	1·00	46·10051	10·0	*	14·847	-43·958	-5	...	...
*	12·957	+58·755	1·40	46·10045	8·8	...	1·335	+41·875	-4	...	...	...	15·272	-22·155	0·80	...	...
...	12·761	-12·780	-3	...	...	S*	1·341	+14·666	2·25	46·10052	8·4	...	15·293	-0·054	-5	m	...
...	12·697	-43·468	-3	...	...	*	1·689	+32·709	1·00	46·10053	9·6	*	15·853	-18·178	1·00	...	...
...	-12·643	-28·236	0·75	...	...	+	1·868	+28·284	-5	m	...	...	+16·827	+23·561	-3	...	...
...	12·469	-10·630	0·85	...	...	...	1·948	+33·475	-5	m	...	...	17·026	-46·556	1·00	...	...
...	12·467	-18·609	-3	...	...	...	2·033	+16·434	-5	m	...	...	17·065	+1·461	0·80	...	...
...	11·945	+30·706	-4	...	...	*	2·343	+9·682	1·35	46·10054	9·0	...	17·385	+43·970	-4	...	...
...	11·642	+47·277	-5	...	...	*	2·588	-30·735	0·90	47·9549	10·0	...	17·697	+42·376	-5	...	...
191	-11·210	-22·746	0·75	...	...	251	+2·773	+22·403	-5	m	...	...	+18·261	+20·317	-5	m	...
...	11·058	-53·968	-3	...	...	...	3·170	-56·537	-3	...	...	...	18·651	+9·220	0·90	46·10064	10·0
...	9·545	-16·470	-4	...	...	...	3·383	+48·015	-5	...	...	*	18·702	-6·997	1·05	47·9555	10·0
...	9·497	-23·819	-4	...	...	...	3·663	+15·500	-5	M m	...	...	18·869	-14·038	-5	...	...
...	9·235	+58·931	0·75	...	...	...	3·878	-45·665	-5	...	...	...	19·152	-58·057	0·95	...	...
...	-8·600	+25·574	0·80	...	...	+	3·933	+39·305	0·80	46·10055	10·0	...	+19·405	+34·662	0·65	...	...
...	8·901	-40·410	0·70	...	...	...	4·288	+4·537	-5	m	...	...	19·613	-39·530	-5	...	...
...	8·877	-13·953	-5	M m	...	...	4·826	-4·674	-4	...	...	†	19·699	-37·643	-2	...	...
...	8·536	+39·977	0·65	...	...	...	4·950	-53·358	-5	...	...	...	19·834	+48·114	-5	m	...
...	8·368	-30·022	1·00	47·9544	10·4	...	4·965	+37·928	-5	m	...	...	19·890	+54·858	0·75	...	...
201	*	-7·941	+50·213	1·50	46·10047	9·1	...	5·016	+24·666	-5	m	+20·068	-38·172	-5	
...	7·572	-59·057	-5	...	...	...	5·423	+20·238	-4	...	...	...	20·149	+8·119	-5	m	...
...	7·593	-15·753	-4	...	...	*	5·619	+28·306	1·05	46·10056	10·0	...	20·159	+48·694	0·80	...	...
...	7·295	+47·263	0·65	...	...	...	5·663	+47·187	-5	m	...	...	20·260	+16·010	-2	...	...
S*	7·271	-46·116	1·05	...	...	...	5·737	+54·848	-4	...	...	...	20·554	+3·528	-5	m	...
...	7·252	-46·195	0·85	47·9545	10·0	*	5·794	+39·293	0·90	46·10057	10·0	...	+20·597	+14·783	0·80	...	...
...	6·776	+4·215	0·65	m	...	...	6·332	+11·187	-5	m	...	...	21·197	-19·231	0·75	...	...
...	6·477	+20·425	-5	m	...	...	6·594	+11·058	-5	m	...	...	21·331	+27·111	-5	...	...
...	6·458	+55·374	0·70	...	...	...	6·818	+11·410	-5	m	...	...	21·659	-51·315	0·70	...	...
...	6·372	+24·956	-5	m	...	*	6·855	-32·433	1·15	47·9550	9·6	...	21·687	-46·644	-5	...	...
211	...	-6·286	-21·949	0·65	6·983	-26·418	-3	331	S*	+22·003	-18·775	1·65	47·9556	8·8
...	5·803	-44·117	-4	m	...	...	7·223	+59·060	0·70	...	...	*	23·046	-24·496	1·00	47·9557	10·0
...	5·781	-31·212	0·70	...	...	*	7·275	-1·514	1·05	47·9551	9·8	...	23·882	+31·951	0·90	...	...
...	5·682	+59·261	0·70	...	...	...	7·736	+12·208	-5	M m	...	*	23·950	-42·107	1·00	47·9558	10·0
...	5·578	-2·544	-4	m	...	*	7·894	-34·826	1·05	47·9552	9·6	...	24·159	-10·215	0·80	...	...
*	5·339	-12·702	1·30	47·9546	9·1	...	8·786	-41·310	-4	...	...	...	+24·450	+58·381	0·85	...	...
*	5·100	-29·404	1·05	...	...	...	8·892	-48·556	-4	...	...	...	24·585	+41·062	-5	...	...
...	4·927	-58·041	-5	M m	...	...	9·067	+42·997	-5	m	...	...	24·604	-35·871	-5	...	...
...	4·680	+56·688	-4	m	...	*	9·533	+52·568	1·20	46·10058	9·4	...	24·989	-10·354	-4	...	...
...	4·292	+16·938	1·05	46·10048	10·5	†	9·697	+2·622	-2	...	...	...	25·244	-16·939	-5	...	...
221	...	-4·082	-28·177	-5	m	...	10·589	-26·119	-5	341	*	+25·627	+44·343	1·20	46·10066	9·6
...	3·924	-26·289	-4	...	...	...	10·870	+51·711	-5	...	...	...	25·656	+27·862	-5	m	...
...	3·707	-2·768	-4	m	...	...	10·968	+53·708	-5	m	...	*	25·706	+24·728	1·00	46·10067	10·0
*	3·629	+53·330	1·00	46·10049	10·5	...	10·988	+36·257	-5	m	...	...	25·957	+42·940	0·75	...	...
...	3·218	-32·580	-5	...	...	*	11·586	-7·899	1·10	47·9553	9·6	...	25·973	-14·856	-5	...	...
*	3·191	+27·215	1·00	...	...	...	11·629	+14·507	-5	...	...	*	+26·148	+34·203	1·30	46·10068	9·3
...	3·042	+49·680	-4	...	...	...	11·957	-53·586	-2	...	...	...	26·205	+33·004	-2	...	...
...	2·530	+59·336	-3	...	...	*	12·532	+39·016	1·50	46·10059	8·8	...	26·277	+2·285	-5	m	...
...	2·528	-43·972	-4	...	...	...	12·532	-7·438	-5	...	...	...	26·572	-32·206	-3	...	...
...	2·264	+42·759	-5	m	...	*	12·773	-38·707	1·00	47·9554	9·6	...	27·158	-39·783	0·65	...	...
231	...	-2·187	+26·870	-5	m	...	12·999	-51·837	-3	351	S*	+27·393	-55·002	1·55	48·10466	8·8
S*	2·051	+44·180	1·25	46·10050	9·3	...	13·056	+35·870	-5	...	...	...	28·247	+52·282	0·80	...	...
...	1·927	+11·463	-5	m	...	*	13·280	+18·810	0·95	46·10061	10·0	+	28·411	+45·081	1·00	46·10069	10·0		
...	1·642	+56·785	-3	...	...	...	13·318	-38·538	-5	m	...	...	28·776	+17·514	-3	...	...
...	1·358	-47·941	-4	...	...	...	13·563	-56·088	-5	...	...	...	28·857	-54·800	-5	m	...
...	-1·264	-28·012	-4	m	...	...	+13·653	+55·947	-5	...	...	...	+29·068	-25·276	-3	...	...
...	0·939	+59·356	-3	...	...	...	13·659	-55·290	-3	...	...	...	29·426	-12·439	-4	...	...
...	-0·886	-24·521	1·00	47·9547	10·5	...	13·915	+41·269	0·75	...	...	*	29·833	-48·722	1·20	47·9559	9·0
...	+0·385	+43·081	-1	...	...	*	14·068	-17·693	-5	...	...	...	30·126	-49·090	-5	m	...
...	0·698	-19·190	-3	...	...	*	14·374	+17·189	1·90	46·10062	8·6	...	30·228	-21·766	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.		x.	y.	o·65	No.	Mag.	
361-420																		
361	+30°373	+51°713	-5	°	m	...	+41°976	+29°255	-4	°	...	481	+56°808	-9°421	-5	°	...	
...	30°410	-35°071	-5	...	...	...	42°472	-23°359	-4	...	...	...	56°899	+42°717	-4	...	...
...	30°740	-54°512	-3	...	...	...	42°562	-4°573	-3	...	...	...	56°925	-36°259	0°80	...	...
...	30°779	-26°052	-4	...	...	...	42°851	-12°540	-3	...	...	...	57°087	-35°276	-3	...	...
...	31°102	+45°818	-5	m	...	...	42°912	+38°098	-5	...	...	...	S *	57°358	+46°317	2°60	46.10074	7°3
...	+31°162	+48°168	0°75	...	...	...	+43°760	+26°751	-5	...	...	...	...	+57°889	-47°725	0°80	...	...
...	31°829	+53°044	-5	m	...	...	43°939	+26°856	-4	...	...	...	...	58°452	-8°183	-3	...	...
...	31°938	-3°261	-5	m	...	...	43°981	-30°777	-4	...	...	...	...	58°807	-44°787	-4	...	...
...	31°998	+27°638	-3	...	...	...	44°257	-1°356	-4	...	...	...	*	59°031	-43°717	1°30	47. 9571	9°8
*	32°130	-38°777	1°50	47. 9560	9°0	...	44°302	-40°601	-5	m	...	...	...	59°158	-10°978	-3	...	...
371	+32°193	-27°679	-2	...	...	431	+44°559	+31°540	-5	m	...							
...	32°546	+42°958	-3	...	...	...	44°775	-25°261	-4	e	...							
...	33°119	-2°668	-3	...	...	...	44°793	-27°796	-3	...	...					
...	33°333	-16°626	-5	m	...	...	45°093	-50°579	1°00	...	...					
*	33°430	-2°987	1°30	47. 9561	9°2	...	45°113	+16°023	-5	...	...					
...	+33°563	-15°495	-2	...	...	...	+45°178	-44°092	-5	...	...					
†	33°595	-9°763	-3	...	...	...	45°848	-56°074	-5	...	...					
...	33°609	-11°824	-3	...	...	...	45°913	+43°592	0°90	...	...					
...	33°613	-52°685	-3	...	...	...	46°495	+15°056	-3	...	...					
...	34°108	-45°082	-3	...	...	...	46°586	-39°959	-5	e	...							
381	+34°222	-44°815	-3	...	...	441	+46°999	-1°344	-4	...	...					
...	34°411	+27°616	-5	m	...	...	47°041	-51°764	1°10	...	...					
...	34°817	-14°592	-5	m	...	...	47°150	+22°128	-4	...	...					
...	35°462	-13°434	-3	...	...	...	47°699	-44°918	0°65	...	...					
*	35°471	-35°141	1°15	47. 9562	9°2	...	47°876	+0°546	0°65	...	...					
...	+35°558	+27°337	-4	m	...	...	+48°216	+11°849	-2	...	...					
*	36°086	+43°459	0°90	46.10070	10°0	...	48°401	+11°377	0°75	...	...					
...	36°149	-28°023	-5	...	...	...	48°570	+50°034	-5	...	...					
...	36°294	-35°975	-5	...	...	...	48°730	-15°309	0°90	...	...					
*	36°302	-59°143	1°60	48.10471	8°8	*	48°870	-1°651	1°00	...	...					
391	+36°459	-41°992	-3	...	...	451	+49°025	+59°946	-5	e	...							
...	36°501	+27°042	-5	m	...	*	49°118	+23°732	1°05	46.10073	10°0							
S *	36°550	+26°700	1°80	46.10071	8°2	...	49°512	+24°866	-5	e	...							
...	36°969	+2°825	-4	m	...	...	49°962	-51°838	-2	...	...					
...	37°078	-56°800	-3	...	...	...	50°024	+26°120	0°80	...	...					
...	+37°239	+38°193	-5	m	...	...	+50°282	-12°850	-1	...	...					
...	38°136	+29°195	-5	m	...	...	50°458	-15°310	-4	...	...					
...	38°550	-17°684	-5	m	...	...	50°898	-7°192	0°65	...	...					
*	38°883	-21°250	0°95	47. 9563	10°0	...	51°573	+16°883	-4	...	...					
...	38°884	-45°985	-4	...	...	...	51°618	+47°658	-5	...	...					
401	+38°969	-44°313	1°15	47. 9564	9°8	461	+52°063	-15°967	-3	...	...					
...	39°052	+47°467	-5	m	...	...	52°195	-0°161	0°70	e	...							
...	39°256	-6°854	-4	...	...	...	52°981	-38°958	-3	...	...					
...	39°296	-6°584	-3	...	...	...	53°080	+28°764	0°70	...	...					
...	39°306	-36°973	-5	m	...	*	53°198	-23°784	1°00	47. 9567	10°0							
...	+39°413	-6°525	-3	...	...	S *	+53°770	-32°717	2°70	47. 9569	7°2							
†	39°607	-49°295	-5	...	...	*	53°883	-12°942	1°05	47. 9568	10°0							
...	39°836	-53°321	-4	...	...	S *	54°193	-48°044	1°70	47. 9570	9°2							
...	39°910	-13°969	-3	...	...	...	54°270	+41°801	0°90	...	...					
S *	40°197	-2°119	1°35	47. 9565	9°0	*	54°483	-18°954	0°90	...	...					
411	+40°651	-39°886	-2	...	...	471	+54°499	+58°329	-4	...	...					
...	40°725	+58°021	-2	...	...	...	54°787	-23°253	-3	...	...					
...	40°837	-12°245	-5	m	...	...	55°058	-16°757	-3	...	...					
*	40°972	-3°809	1°30	47. 9566	9°2	...	55°301	-24°211	0°65	...	...					
†	41°196	+0°138	0°70	...	...	...	55°597	+17°768	-2	...	...					
...	+41°261	-32°896	-5	m	...	...	+55°673	-24°327	-3	...	...					
...	41°366	-42°233	-5	m	...	*	55°759	-28°851	1°05	...	...					
*	41°826	-33°432	0°80	...	...	...	55°985	+18°451	-5	e	...							
...	41°850	-31°648	-3	...	...	...	56°102	-55°287	-1	...	...					
*	41°905	+6°301	1°10	46.10072	9°6	...	56°144	-12°361	-4	...	...					

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
1-60																		
I	-59·623	-4·837	-3	o	...	61	-46·599	-47·922	1·75	47·9570	9·2	121	-32·602	+48·722	-1	o	...	
...	59·458	-31·933	-2	...	...	S *	46·442	+46·485	2·75	+6·10074	7·3	...	32·594	-37·755	-5	M	...
...	59·430	-33·719	0·80	...	...	...	46·277	-24·068	-3	...	...	...	32·526	-23·283	0·75	...	...
...	59·424	+26·504	-4	...	...	...	45·894	-24·172	-4	...	...	*	32·490	-13·552	1·10	47·9573	10·0
...	59·243	+26·621	-4	...	...	...	45·811	-12·197	-5	...	...	...	32·449	+19·726	-5	M	...
...	-59·117	-23·617	-4	...	...	...	-45·662	-28·695	0·90	...	...	...	-32·182	+31·930	0·75	...	...
...	59·078	-12·796	-3	...	...	...	45·244	-9·237	-5	...	...	...	32·089	+50·308	0·80	...	...
...	58·373	-9·651	-5	M	...	...	44·455	-55·104	-1	...	...	...	31·453	-6·299	-5	...	...
...	58·028	-1·583	-4	...	...	...	44·266	-36·062	0·85	...	...	...	31·254	-57·280	-4	M	...
...	57·796	+43·403	0·80	...	...	...	44·122	-35·062	0·75	...	...	*	30·703	-14·047	1·20	47·9574	9·6
II	-57·733	+15·821	-4	...	...	71	-43·637	-7·944	-3	...	...	...	-30·589	-7·017	0·65	...	...
...	57·360	-30·991	-3	...	...	*	43·629	+45·130	1·00	...	...	...	30·443	+38·255	-5	M	...
...	56·754	-25·444	-4	E	...	...	43·302	+55·270	-5	M	...	†	30·127	+17·431	-5	...	...
...	56·646	-27·987	-5	...	...	...	42·912	-47·482	1·00	...	...	...	29·762	+50·928	-5	M	...
...	56·321	+14·899	-4	...	...	...	42·825	-10·709	-4	...	...	...	29·364	-13·155	-5	...	...
...	-55·889	+21·982	-4	...	...	...	-42·436	+21·184	0·95	...	...	...	-29·002	+17·077	-5	...	...
...	55·740	-44·272	-5	...	...	*	42·161	-7·453	1·00	47·9572	10·0	...	28·773	+23·164	-2	...	...
...	55·618	-50·748	0·75	...	...	...	42·105	-44·523	0·70	...	...	...	28·713	-7·151	-3	...	...
†	55·371	+49·939	-3	...	...	*	41·902	-43·432	1·40	47·9571	9·8	...	28·500	-11·208	-3	...	...
...	55·294	-1·474	-4	...	...	...	41·826	+59·056	-5	M	...	...	28·466	-31·684	-5	...	...
21	-55·213	+59·854	-1	E	...	*	-41·795	+50·243	1·20	46·10076	10·0	*	-28·390	+55·624	1·50	46·10084	8·8	
...	54·703	-56·229	-5	...	...	...	41·627	-17·517	0·70	...	...	...	28·296	+9·847	0·90	46·10083	10·0
...	54·499	+11·743	-4	...	...	...	41·466	+9·581	-5	M	...	...	27·902	+52·051	-5	M	...
...	54·477	+0·435	-3	...	...	...	41·328	+56·385	-5	M	...	...	27·792	+47·990	-3	...	...
...	54·471	-40·088	-5	E	...	...	41·302	-11·118	0·80	...	...	...	27·755	+58·572	0·90	46·10085	10·0
*	54·306	+11·278	-2	...	...	...	-41·271	+10·828	-4	M	...	...	-27·729	+34·278	-5	M	...
*	53·969	+23·658	1·00	46·10073	10·0	...	40·778	-21·379	0·80	...	...	...	27·558	+36·246	-5	M	...
...	53·630	+24·804	-5	E	...	*	40·690	+20·436	1·10	46·10077	10·0	...	27·320	-59·131	-5	M	...	
...	53·625	-51·877	0·90	...	...	*	40·602	+35·253	1·15	46·10078	10·0	...	27·310	-55·348	-5	M	...
...	53·405	-1·734	0·80	...	...	...	40·602	-46·544	-5	M	...	S *	27·032	-1·111	2·65	47·9575	8·0
31	-53·192	-45·012	-3	...	...	91	-40·398	+3·561	0·85	...	...	...	-26·996	-51·847	-5	...	...
...	53·145	+26·073	0·70	...	...	...	40·368	-28·888	-4	...	...	...	26·455	+31·802	-5	M	...
...	53·108	-15·379	0·90	...	...	...	40·253	+37·238	-4	...	...	...	26·352	+38·388	-5	M	...
...	52·403	+42·073	-5	...	...	...	39·800	+18·420	-5	...	...	...	25·892	+40·084	-3	...	...
...	52·375	+56·461	-5	M	...	...	38·946	-58·095	-1	...	...	*	25·733	-43·802	1·10	47·9576	10·0
...	52·242	+47·651	-5	...	...	*	-38·421	+14·558	1·30	46·10079	9·6	...	-25·646	+29·362	-5	...	...
...	51·640	-12·879	-4	...	...	...	38·398	+21·321	-4	...	...	...	25·221	+27·202	-5	...	...
...	51·388	-15·321	-5	...	...	...	38·292	+30·090	0·65	...	...	*	24·781	-10·990	2·30	47·9577	8·4
...	51·311	+16·885	-4	...	...	...	38·018	+37·643	-1	...	...	S *	24·732	+24·105	5·80	46·10086	6·7
...	51·223	-7·206	-3	...	...	...	37·837	+32·635	-5	...	...	...	24·445	+37·904	-5	M	...
41	-50·721	-51·841	-3	101	-37·816	+48·340	1·20	46·10080	9·6	...	161	-24·177	-14·555	0·75	47·9578	10·0
...	50·165	+28·818	-2	...	...	...	37·047	-22·150	-2	...	...	...	24·150	-33·366	-2	...	...
...	50·149	-0·124	-3	E	...	...	36·182	+25·573	-4	...	...	*	23·981	-20·989	1·35	47·9579	9·2
...	49·764	-15·934	-3	...	...	...	36·050	-48·479	-4	M	...	...	23·491	-40·899	-4	...	...
...	49·700	+58·402	-1	...	...	...	36·026	+17·755	-4	...	...	...	23·263	+5·815	-3	...	...
...	49·403	+18·803	-5	M	...	...	-36·001	+54·329	-2	...	...	...	-23·116	+46·916	0·80	...	...
...	49·391	+41·885	0·70	...	...	...	35·275	+8·569	-5	M	...	...	22·807	-31·915	-5	M	...
...	48·892	+32·319	-5	M	...	...	34·828	+24·098	-3	...	...	...	22·253	-43·594	0·75	...	...
*	48·383	-23·708	0·95	47·9567	10·0	*	34·567	+20·789	1·00	...	...	...	22·231	-49·273	0·90	...	...
...	48·120	-38·873	-3	...	...	...	34·449	-57·941	1·00	...	...	...	22·075	+28·681	-4	...	...
51	-48·043	-12·862	0·95	47·9568	10·0	*	-34·390	+58·059	1·30	46·10081	9·8	...	171	-21·986	+30·850	-1
...	47·778	+3·134	-4	M	...	*	34·163	+57·547	1·10	46·10082	10·0	...	21·913	-26·228	-5	...	...
...	47·542	+25·888	-5	M	...	...	34·159	-18·168	-5	...	...	...	21·785	-26·289	-5	...	...
S *	47·497	-32·618	3·10	47·9569	7·2	*	33·934	+28·074	0·95	...	...	...	21·674	-6·434	0·85	47·9580	10·0
...	47·304	+17·901	-3	...	...	...	33·748	+13·557	0·70	...	...	...	21·037	+34·418	-2	...	...
...	-47·253	-18·838	0·75	...	...	...	-33·597	+10·206	-5	M	...	...	-21·009	-36·544	0·65	...	...
...	46·937	+18·592	-5	E	...	...	33·370	+24·434	-4	...	...	†	20·169	-46·673	-4	...	...
...	46·811	-23·120	-4	...	...	*	33·290	+38·546	0·95	...	...	...	19·892	-4·620	-5	M	...
...	46·791	+42·876	-3	...	...	...	32·795	+41·762	-3	...	...	...	19·839	-58·141	-4	M	...
...	46·754	-16·617	-4	...	...	*	32·725	+49·668	1·05	...	...	...	19·699	+15·106	-1	...	...

ES measured from 1, 133, 276, 384.
MB 68, 202, 338, 463.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-I.	No.		x.	y.		-I.	No.		x.	y.	-I.	No.	Mag.
181-240																	
181	-19·493	-13·527	0·95	47·9581	10·0	241	-8·386	+33·776	-4	°m	...	301	+6·313	-48·602	-5	M m	...
...	19·490	-48·875	-4	...	...	...	8·249	-8·413	0·70	...	...	...	* 6·388	-41·091	0·90	47·9588	10·0
...	19·043	-37·149	-4	...	...	...	7·910	-39·075	-3	...	...	...	6·540	-54·373	-4	...	...
...	18·848	-57·816	-1	...	...	...	7·799	+41·956	0·90	...	...	...	6·550	+2·727	-5	M	...
...	18·810	+42·894	-3	...	...	...	7·685	-41·650	-5	...	...	...	7·263	+22·183	-5	M	...
...	-18·670	+36·741	-4	...	...	*	-7·364	-48·441	1·15	47·9583	10·0	...	+7·562	-33·401	-5	M m	...
...	18·539	+48·478	-4	...	...	...	7·347	+50·219	-4	M m	...	...	7·777	-35·142	0·70	...	...
...	17·937	+14·826	-5	...	...	*	7·295	+1·854	1·05	...	...	...	7·871	+18·989	-5	M m	...
...	17·607	-5·753	-5	...	...	...	7·038	-42·776	-4	...	...	*	8·326	-59·287	1·20	48·10492	9·4
...	17·283	-12·763	0·90	...	...	*	7·019	-5·333	1·15	47·9584	10·0	...	8·504	-59·182	-5	M m	...
191	-17·085	-49·526	-5	M	...	251	-6·973	+49·756	0·75	...	...	311	+8·958	+7·025	-4	...	...
...	16·598	+40·903	0·75	...	...	...	6·333	-55·543	-5	...	...	...	9·171	-51·984	-5	M	...
...	16·438	+26·446	-2	...	...	...	5·950	+36·017	0·80	...	...	...	9·937	+55·096	0·65	...	...
...	16·350	+45·860	-3	...	...	...	5·817	-18·262	-2	...	...	...	9·997	+58·275	-1	...	...
...	16·314	-24·256	-4	...	...	*	5·479	+32·780	1·00	46·10092	10·0	...	10·086	+13·008	-5	...	...
...	-16·157	+9·836	-5	M	...	†	-5·223	-42·950	0·65	...	...	*	+10·183	-53·762	1·20	47·9589	9·6
...	15·685	+7·177	-4	...	...	...	4·855	-16·442	-4	...	...	...	10·350	-43·798	-1	...	...
...	15·653	-45·085	-4	...	...	...	4·504	+2·060	0·65	...	...	...	10·619	+34·162	0·90	46·10093	10·0
...	15·413	+42·066	0·75	...	...	S *	4·091	-45·942	1·65	47·9585	9·0	...	10·673	+53·862	-5	...	...
...	15·364	+48·576	0·70	...	...	...	3·831	+40·828	-5	...	...	...	10·719	+56·791	-5	...	...
201	-15·262	-47·607	-5	...	...	261	-3·568	-40·636	0·80	...	...	321	+10·802	+0·951	0·80	47·9590	10·0
...	14·905	-44·533	-4	...	...	...	3·284	+12·772	-4	...	...	...	10·849	-0·458	-5	...	...
...	14·682	-8·837	0·95	47·9582	10·0	...	3·166	-27·600	-5	...	...	...	11·037	+51·384	-2	...	...
...	14·553	+39·777	-5	...	...	...	2·963	+33·232	-1	...	...	...	11·923	+26·526	-5	m	...
...	14·391	+47·983	-5	M	...	...	2·782	+5·171	-4	M m	...	...	11·962	+53·695	0·65	...	...
...	-14·014	-6·389	-5	...	...	...	-2·762	+5·306	-5	M m	...	...	+12·749	+0·170	-3	m	...
...	13·891	+59·263	0·85	...	...	...	2·622	+0·549	-1	α m	...	...	12·828	+38·899	-3	...	...
...	13·734	+40·675	-4	...	...	...	2·094	+12·724	-5	M m	...	...	12·844	-44·985	0·70	47·9591	10·0
...	13·274	-52·834	0·70	...	...	†	1·899	+49·833	-4	...	...	...	12·884	+5·042	-4	...	...
...	13·274	-54·119	-4	M	...	...	1·833	+52·317	-3	...	...	...	12·978	+0·343	3·70	47·9592	7·2
211	-13·184	+57·187	0·70	...	...	271	-1·670	+21·747	0·75	...	...	331	+13·044	-42·703	0·70	...	...
...	12·950	-22·620	-4	...	...	...	0·975	+48·971	0·75	...	...	...	13·517	+4·603	1·05	47·9593	9·8
...	12·796	+8·971	0·70	...	...	...	0·636	+7·234	-3	...	...	...	13·810	-36·840	-5	m	...
...	12·459	+35·212	-5	M	...	...	0·429	+30·099	-5	...	...	...	14·181	-58·902	-5	...	...
...	12·438	+28·941	-4	...	...	*	0·261	-50·794	-3	...	...	...	14·495	-54·021	-3	...	...
...	-12·407	-41·918	0·80	...	...	...	-0·040	+40·811	-5	M m	...	...	+14·541	+17·644	-1	...	...
...	12·017	+46·697	-5	M	...	...	+0·018	-40·328	-4	...	...	...	14·586	+18·713	-3	...	...
*	11·623	+37·767	1·40	46·10088	9·0	...	0·295	+15·592	-1	...	...	S *	15·139	+48·267	1·50	46·10094	8·8
*	11·566	+46·687	1·30	46·10089	9·3	...	0·438	-17·449	-3	...	...	...	15·340	+13·355	-4	...	...
...	11·424	-11·830	-4	...	...	...	0·690	-35·465	-5	...	...	*	15·716	-3·956	1·80	47·9594	8·6
221	-11·345	+44·880	-5	...	...	281	+0·747	+36·789	-5	M m	...	341	+16·025	+23·323	-4	...	...
...	11·192	-37·353	0·75	...	...	...	1·418	+41·070	-3	...	...	*	16·290	+43·410	1·40	46·10095	9·6
...	10·901	-1·134	-4	...	...	...	1·594	-18·045	-4	...	...	...	16·802	+18·176	-5	...	...
...	10·547	+21·562	-4	...	...	*	2·073	-39·745	0·95	47·9586	10·0	...	16·980	-41·358	-4	...	...
...	10·433	-28·638	0·85	...	...	...	2·327	+26·070	-5	...	...	...	17·269	-25·509	-2	...	...
...	-10·380	-30·545	-5	M	...	...	+2·377	+49·186	-3	...	...	...	+17·494	+38·859	0·85	...	...
...	10·357	-48·758	0·85	...	...	...	2·722	+29·408	-5	M	...	...	17·694	+38·440	-4	...	...
*	10·336	+53·604	1·10	46·10090	9·6	...	2·810	-15·622	-5	M	...	...	17·719	-38·122	-4	...	...
...	10·041	-43·386	-5	...	...	...	2·924	+42·071	-5	M	...	...	17·898	+52·789	-5	...	...
...	9·938	+32·272	-4	...	...	...	3·112	-30·389	-2	...	...	...	18·408	-32·264	-3	...	...
231	-9·881	+57·337	0·80	...	...	291	+3·690	-42·881	-2	...	...	351	+18·929	+2·250	0·80	...	...
...	9·870	-58·988	-5	M	...	...	3·731	-41·199	-4	...	...	...	19·102	-54·955	-5	...	...
...	9·388	-39·209	0·75	...	...	...	4·285	-51·015	-1	...	...	...	19·373	+2·844	-2	...	...
...	9·220	+30·426	0·75	...	...	...	4·322	+20·548	-4	...	...	...	20·164	-13·294	-5	...	...
...	9·086	-36·147	-3	...	...	...	4·409	-51·337	-5	...	...	...	21·161	+45·912	-5	m	...
...	-8·983	+50·765	-5	M	...	...	+4·520	+14·734	-5	M	...	...	+21·600	-4·197	0·65	...	...
...	8·825	+17·569	1·00	46·10091	10·0	†	4·786	+34·080	-4	...	...	...	21·678	-17·018	-3	...	...
...	8·526	+4·242	0·75	...	...	*	4·926	-39·580	-5	...	...	...	22·081	+43·074	-4	...	...
...	8·517	-48·637	0·70	...	...	*	5·182	-40·776	1·10	47·9587	9·2	*	22·868	-36·152	1·70	47·9595	9·2
...	8·491	+52·872	0·85	...	...	...	5·913	+20·291	-1	...	...	S *	23·107	+9·365	1·65	46·10096	8·8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
361-420																	
361	+24·271	+42·030	-5	o	...	421	+36·661	+21·883	0·80	46.10104	10·0	481	* +50·255	-28·477	1·00	o	...
...	24·435	-5·964	-5	...	...	...	36·750	+10·264	-4	...	...	...	50·436	+36·913	0·75	...	...
*	24·612	-5·448	1·50	47. 9596	9·2	...	36·926	+34·549	-5	...	...	...	50·773	+37·507	0·65	...	...
...	25·056	-51·944	-4	...	...	...	37·199	-21·907	-5	...	...	...	51·883	-15·930	-4	...	...
...	25·275	-51·970	-4	m	...	...	37·340	-19·730	-5	m	...	...	51·894	+32·385	0·80	...	...
†	+25·551	-59·824	-5	m	...	...	+37·407	+35·790	-2	...	...	...	+51·976	-49·155	-5	...	...
...	25·577	-10·728	-5	...	...	...	37·428	+44·780	-5	m	...	...	52·184	-11·915	-5	...	...
*	25·939	+17·284	1·60	46.10097	8·8	...	37·456	-32·823	0·65	...	...	...	52·190	+41·246	-5	...	...
*	26·097	+40·769	0·90	...	...	...	37·579	-36·164	0·85	...	...	...	52·203	+19·446	-5	m	...
...	26·201	-49·181	-3	...	...	*	37·666	-52·510	0·90	...	...	*	52·579	+5·895	0·95	...	...
371	+26·668	+48·238	-5	m	...	431	+37·811	+52·882	0·85	46.10105	10·0	491	+52·582	+19·012	-5	m	...
*	26·716	-18·020	1·05	47. 9597	10·0	...	38·452	-56·909	0·65	...	...	...	53·268	+3·431	-4	...	...
...	26·875	+39·316	-4	m	...	...	38·887	+8·766	-5	...	...	...	53·499	+0·247	-5	m	...
...	26·912	+20·427	0·70	...	...	*	38·889	-47·255	1·00	47. 9602	10·0	...	53·867	+30·924	-4	...	...
...	27·570	-46·846	0·75	...	...	...	38·927	-36·823	-4	...	...	...	54·170	+3·088	-1	...	...
+	+27·643	-24·762	-4	...	...	...	+38·930	+21·084	-5	m	...	*	+54·222	+34·296	1·40	46.10109	9·0
†	27·681	+9·980	1·60	46.10098	8·8	...	38·986	-9·521	0·75	...	...	...	54·492	+34·318	0·75	...	...
...	28·307	+26·339	-5	...	...	...	39·531	-6·194	-5	...	...	...	54·511	-45·598	-5	e	...
...	28·842	+53·656	-2	...	...	...	39·899	+23·428	-4	m	...	†	54·600	-2·775	1·10	47. 9607	9·6
...	28·869	-34·054	-4	...	...	...	39·953	+28·943	-3	...	...	...	54·926	+2·393	0·80	...	...
381	+28·960	-21·474	0·70	...	...	441	+40·675	-44·486	-4	...	...	501	+55·086	-59·224	1·15	...	...
...	29·213	+47·977	1·00	...	...	*	40·831	-10·803	1·35	47. 9603	9·2	...	55·175	-54·183	1·10	...	...
...	29·285	+30·972	0·70	...	...	...	40·863	+48·137	-3	...	...	...	56·445	+11·226	0·75	...	...
*	29·949	+53·343	1·70	46.10100	9·0	...	41·102	+40·171	-4	...	...	...	56·846	+22·279	-5	m	...
†	30·000	+19·895	-4	...	...	...	41·130	+20·271	-3	...	...	...	58·343	+28·343	-5	m	...
...	+30·077	-43·836	0·85	47. 9599	10·0	...	+41·301	-39·258	-4	...	...	...	+58·434	+30·652	-5	...	...
*	30·134	+1·310	3·50	47. 9598	7·5	...	41·583	+57·648	-3	m	...	S *	59·267	-21·291	1·10	47. 9608	9·3
...	30·243	-33·353	-3	...	...	*	41·873	-29·095	0·90	47. 9604	10·0	...	59·422	-22·147	0·75	...	...
...	30·390	-25·135	-4	...	...	...	42·274	+39·991	-4	...	...	*	59·510	+56·578	1·50	46.10110	9·8
...	30·474	+18·017	-3	...	...	...	42·357	+1·221	-5	m	...						
391	+30·582	-29·855	-5	m	...	451	+42·449	-29·732	-2	...	...				
...	31·121	+47·475	-5	...	...	...	42·533	-26·251	-5	m	...						
...	31·131	+37·405	-5	...	...	...	42·536	-15·981	-5	...	...				
...	31·739	-27·525	-3	...	...	S †	42·819	-44·897	1·20	47. 9605	9·3						
...	31·785	-55·855	-5	m	...	...	42·971	-45·670	-1	...	...				
...	+31·891	+39·726	-5	m	...	...	+42·977	+51·897	0·65	...	...				
...	32·297	-4·440	-5	...	...	...	43·043	+17·843	-4	...	...				
...	32·339	+57·711	-5	m	...	†	43·667	-44·881	-4	m	...						
...	32·353	-40·553	0·85	47. 9600	10·0	...	44·144	-38·606	-2	...	...				
...	32·471	+10·359	0·65	...	...	...	44·207	-13·013	-3	...	...				
401	+33·161	-50·529	-5	m	...	461	+44·333	+53·714	-5	...	...				
...	33·262	-55·937	-5	m	...	...	44·354	-45·236	-4	e	...						
...	33·464	+47·524	-5	m	...	†	45·020	+39·940	-5	...	...				
...	33·733	-13·877	-5	...	...	*	45·021	+43·856	1·00	46.10106	10·0						
...	33·893	+26·406	-4	...	...	...	45·216	-27·554	-4	...	...				
...	+34·170	-21·693	-5	...	...	*	+46·243	-47·438	1·05	47. 9606	10·0						
...	34·234	-8·673	-5	...	...	...	47·268	-46·331	-5	m	...						
...	34·242	+43·001	-4	...	...	...	47·383	+18·718	-5	m	...						
...	34·393	-15·721	-5	...	...	...	47·397	+12·439	0·65	...	...				
...	34·900	+4·161	-4	...	...	...	47·663	+3·580	0·70	...	...				
411	* +34·928	+23·106	1·70	46.10101	8·8	471	+47·888	+2·480	0·80	...	...				
*	35·477	+14·435	0·95	46.10102	10·0	S *	48·025	+48·980	1·25	46.10107	9·6						
...	35·664	-19·804	-2	...	...	...	48·672	+16·827	-3	...	...				
...	35·709	+32·877	-4	...	...	...	48·953	+27·247	-3	...	...				
...	35·715	+56·377	-4	...	...	...	49·319	+9·776	-4	...	...				
...	+35·932	+17·787	-5	m	...	...	+49·452	+46·481	0·75	...	...				
*	35·952	+19·479	0·95	46.10103	9·6	...	49·580	-54·300	-4	...	...				
*	36·435	-7·234	1·20	47. 9601	9·6	†	49·942	+44·818	-4	...	...				
...	36·450	+47·194	-4	m	...	...	50·101	+38·810	-2	...	...				
...	36·602	-2·625	-5	m	...	...	50·192	+34·833	0·70	...	...				

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
1-60																		
I	-59° 8' 56	+17° 59' 0	-4	...	...	61	-36° 9' 32	+49° 0' 83	0° 75	...	...	121	-17° 5' 59	-14° 7' 80	-3	...	...
†	59° 7' 52	-39° 5' 36	-5	...	...	...	36° 3' 48	-18° 2' 50	-2	...	...	...	17° 1' 95	+47° 5' 77	-2	...	...
*	59° 5' 10	-29° 3' 62	0° 85	47. 9604	10° 0	...	36° 1' 54	-23° 8' 04	-5	...	...	...	17° 1' 62	+40° 5' 94	-3	...	...
...	59° 2' 68	-16° 2' 38	-5	...	...	*	36° 0' 94	-18° 8' 72	0° 75	...	...	...	16° 8' 84	+42° 2' 90	-3	...	...
...	58° 9' 15	-29° 9' 82	-4	...	...	...	35° 9' 72	-2° 0' 94	-5	...	...	...	16° 7' 80	-9° 0' 27	-5	...	...
...	-58° 7' 01	+43° 6' 22	0° 85	46.10106	10° 0	...	-35° 2' 26	+54° 1' 55	-5	...	...	...	-16° 7' 31	-46° 2' 05	0° 70	...	...
S *	58° 0' 50	-45° 1' 22	1° 25	47. 9605	9° 3	...	35° 1' 10	+30° 7' 86	-3	...	...	...	16° 5' 06	+59° 5' 35	1° 05	46.10117	9° 4
...	57° 8' 84	-45° 8' 99	-4	...	...	*	35° 0' 50	-32° 8' 52	0° 95	47. 9612	10° 0	...	16° 3' 65	-55° 7' 64	-2	...	...
...	57° 6' 92	-13° 2' 20	-3	...	...	...	35° 0' 24	+58° 1' 74	-5	...	...	*	15° 9' 09	+9° 6' 69	0° 80	46.10118	10° 0
...	56° 9' 36	-38° 7' 87	-3	...	...	...	34° 7' 04	-43° 2' 39	-5	...	...	...	15° 4' 70	+49° 5' 53	-5	...	...
II	-56° 5' 05	-45° 4' 04	-5	E	...	71	-34° 6' 45	+39° 7' 44	-4	...	...	*	-15° 4' 06	+21° 4' 72	1° 10	46.10119	9° 6
...	56° 2' 27	-27° 7' 32	-5	...	...	...	33° 5' 56	+11° 4' 50	-1	...	...	...	15° 3' 11	-44° 0' 95	-5	...	...
S *	55° 8' 58	+48° 8' 35	1° 25	46.10107	9° 6	*	33° 3' 94	-46° 0' 14	1° 10	47. 9613	9° 8	...	14° 9' 04	+12° 9' 48	-5	...	...
...	55° 3' 27	+12° 3' 13	-4	...	...	...	33° 1' 84	-0° 9' 67	0° 70	...	...	...	14° 5' 93	+47° 8' 50	-5	...	...
...	54° 7' 74	+3° 4' 48	-4	...	...	...	31° 9' 57	+59° 1' 06	0° 70	...	...	...	14° 1' 62	-22° 7' 29	M	...	...
...	-54° 5' 58	-47° 5' 52	0° 80	47. 9606	10° 0	...	-31° 9' 25	+21° 6' 95	0° 70	S *	-14° 0' 96	-24° 5' 70	1° 30	47. 9618	9° 0
...	54° 5' 13	+2° 3' 04	-3	31° 8' 59	+22° 9' 94	-5	M	12° 0' 26	-18° 4' 18	-5
...	54° 3' 66	+46° 3' 91	-3	...	...	...	31° 6' 58	-30° 5' 55	0° 70	...	...	*	11° 4' 60	-59° 3' 73	1° 00	48.10509	9° 8
...	54° 2' 42	+27° 1' 56	-5	...	...	...	31° 2' 84	+52° 1' 31	-1	...	...	*	11° 4' 20	-47° 0' 70	1° 00	47. 9619	9° 8
...	54° 1' 94	+16° 7' 35	-5	...	...	*	31° 0' 54	+46° 0' 50	1° 15	46.10115	9° 3	...	10° 9' 04	+47° 1' 14	-5	...	...
21	-53° 8' 06	+44° 7' 53	-3	81	-30° 8' 08	+49° 6' 74	-5	141	-9° 6' 11	+40° 3' 97	-5
...	53° 4' 67	+38° 7' 35	-5	...	...	*	30° 4' 02	+2° 1' 84	1° 20	47. 9614	9° 3	...	9° 4' 17	+48° 1' 59	-4	...	...
...	53° 3' 24	+9° 7' 08	-5	...	...	*	30° 3' 99	+34° 9' 08	0° 85	...	...	*	8° 3' 47	+12° 9' 72	0° 80	46.10122	10° 0
...	53° 2' 50	+34° 7' 73	-4	...	...	...	30° 1' 87	+22° 2' 95	-4	...	...	...	8° 0' 53	-29° 0' 00	-2	...	...
...	53° 0' 69	+36° 8' 55	-3	...	...	...	29° 4' 34	-0° 1' 43	0° 80	...	...	...	6° 8' 43	+44° 0' 53	-2	...	...
...	-52° 7' 58	+37° 4' 46	-3	...	...	...	-28° 7' 54	+11° 6' 67	-5	...	...	...	6° 0' 82	+50° 4' 04	-4	m	...
...	51° 4' 69	+32° 3' 76	-2	...	...	...	28° 5' 13	-44° 1' 60	0° 70	...	...	S *	5° 1' 51	-42° 8' 54	1° 15	47. 9620	9° 0
...	51° 4' 39	+41° 2' 51	-5	...	...	...	28° 1' 87	+11° 6' 14	-4	...	...	...	5° 0' 16	+37° 3' 84	-5	...	...
...	51° 1' 53	-28° 4' 83	0° 65	...	...	...	26° 6' 88	-6° 8' 37	0° 70	...	...	†	5° 0' 22	-6° 7' 44	-3	...	...
...	50° 9' 90	-54° 3' 03	-5	...	...	*	26° 6' 25	-9° 3' 98	1° 15	47. 9615	9° 6	...	4° 5' 36	-55° 4' 31	-4	...	...
31	-49° 9' 34	+5° 9' 29	-2	91	-26° 1' 62	+30° 4' 71	0° 90	46.10116	10° 0	...	151	-3° 7' 06	-52° 4' 73	-2
†	49° 4' 46	+30° 9' 79	-5	...	...	*	25° 9' 97	-9° 8' 42	-5	...	...	...	3° 0' 33	-18° 6' 86	-5	...	...
*	49° 2' 04	+34° 3' 76	1° 25	46.10109	9° 0	...	25° 1' 75	+54° 1' 10	-4	...	...	...	2° 6' 70	+28° 3' 07	0° 70	46.10124	10° 0
...	49° 1' 67	+3° 5' 05	-5	...	...	...	25° 1' 68	+40° 2' 71	-5	...	...	...	1° 8' 82	-34° 3' 63	-3	...	...
...	48° 9' 33	+34° 4' 13	-3	...	...	...	25° 1' 50	-19° 1' 00	-5	M	...	...	1° 3' 04	-28° 4' 01	-5	...	...
...	-48° 2' 49	+3° 1' 91	-4	...	...	...	-25° 0' 71	-46° 1' 43	0° 70	...	...	...	1° 2' 17	-39° 5' 47	-3	...	...
*	47° 6' 32	-2° 6' 59	1° 00	47. 9607	9° 6	*	24° 9' 61	-13° 6' 01	0° 75	...	...	...	0° 9' 19	-53° 9' 57	-5	M	...
...	47° 4' 69	+2° 5' 12	-4	...	...	...	24° 7' 01	+39° 7' 64	-4	...	...	...	0° 9' 14	-41° 6' 18	-3	...	...
...	46° 3' 49	-45° 4' 40	-5	E	...	*	24° 3' 72	-18° 5' 34	0° 90	...	...	...	0° 8' 32	+22° 3' 15	-3	...	...
...	46° 2' 43	+11° 3' 77	-3	...	...	...	24° 2' 35	+54° 8' 45	0° 70	...	...	...	0° 6' 87	+47° 2' 45	0° 65	46.10125	10° 0
41	-45° 4' 16	-53° 9' 88	0° 70	101	-24° 1' 63	+7° 6' 81	-5	*	161	-0° 6' 39	-39° 7' 30	-4
*	45° 3' 37	-59° 0' 36	0° 90	...	...	...	23° 1' 05	+2° 2' 74	0° 70	...	...	...	-0° 6' 17	-42° 5' 27	-3	...	...
†	44° 8' 89	+30° 8' 61	-5	...	...	...	22° 5' 06	-23° 3' 27	-5	...	...	...	+0° 0' 14	+45° 3' 88	-5	...	...
*	44° 6' 25	+56° 8' 06	1° 25	46.10110	9° 8	...	22° 3' 49	+57° 3' 59	-2	...	...	...	0° 1' 86	+38° 1' 27	-5	M	...
S *	42° 3' 86	-21° 0' 06	1° 00	47. 9608	9° 3	*	21° 7' 37	+45° 6' 21	0° 75	...	...	...	0° 2' 00	-50° 8' 50	0° 75	...	...
S *	-42° 2' 98	+20° 4' 93	1° 75	46.10111	8° 6	...	-20° 8' 30	+29° 8' 08	-3	...	...	...	+1° 1' 56	-5° 8' 96	-5	...	...
...	42° 2' 10	-21° 8' 67	-3	...	...	*	20° 7' 30	-30° 8' 71	1° 50	47. 9616	9° 0	*	1° 4' 44	-13° 4' 14	1° 00	47. 9621	10° 0
*	40° 3' 72	+7° 9' 06	1° 30	46.10112	8° 8	...	20° 6' 95	+37° 7' 08	-5	M	...	*	2° 1' 27	+16° 0' 30	0° 95	46.10126	10° 0	
...	39° 3' 91	+46° 9' 89	-5	...	...	*	20° 3' 08	-10° 4' 92	1° 05	47. 9617	9° 8	...	2° 7' 03	-33° 5' 74	-2	...	...
...	39° 0' 06	+32° 7' 03	1° 05	46.10113	9° 8	...	20° 2' 72	-44° 5' 84	0° 70	...	...	...	2° 8' 13	-37° 6' 54	-4	...	...
51	-38° 9' 87	+47° 2' 44	-3	III	-20° 0' 46	-20° 9' 08	-4	171	+3° 4' 11	-34° 1' 96	-4
...	38° 6' 62	+2° 4' 80	-5	...	...	...	19° 7' 18	-44° 8' 34	-5	...	...	...	3° 4' 90	-30° 9' 58	-5	...	...
...	38° 5' 00	-21° 8' 16	-5	...	...	...	19° 2' 64	+20° 3' 71	-5	...	...	...	3° 6' 17	-41° 9' 12	0° 70	...	...
*	38° 3' 30	-21° 4' 82	0° 95	47. 9610	10° 0	*	19° 1' 91	+34° 4' 53	0° 70	...	...	...	3° 9' 93	+33° 2' 17	-2	...	...
*	38° 2' 38	-15° 8' 38	1° 10	47. 9611	9° 6	...	18° 6' 44	+29° 8' 37	-5	...	...	...	4° 1' 42	-17° 4' 35	-5	...	...
*	-38° 0' 26	-50° 0' 23	1° 15	47. 9609	9° 0	...	-18° 6' 28	+45° 5' 21	-2	...	...	...	+4° 4' 58	-23° 7' 35	-5	...	...
*	37° 4' 42	+47° 3' 14	0° 95	...	...	...	18° 5' 99	+13° 6' 23	-3	...	...	...	4° 6' 54	-13° 4' 05	-3	...	...
...	37° 2' 72	+18° 2' 86	-5	...	...	...	18° 2' 83	+11° 8' 12	-5	...	...	...	5° 1' 85	-48° 9' 96	0° 70	...	...
...	37° 2' 15	-19° 9' 05	-4	...	...	...	17° 8' 03	-40° 7' 24	-5	...	...	...	5° 2' 32	+25° 4' 27	-1	...	...
...	37° 1' 23	+24° 1' 47	-5	M	...	...	17° 7' 03	+58° 3' 83	-5	...	...	...	5° 4' 38	-36° 9' 95	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
181-240																			
181	+	5·484	+15·424	-5	o	...	...	+23·894	-42·689	-5	o	m	...	...	+42·441	+31·204	0·75	o	...
...	...	6·331	-17·840	-4	...	...	...	24·071	+50·689	0·70	46.10136	10·0	*	...	43·318	+47·523	0·90	46.10144	10·0
...	...	6·749	-28·226	-4	...	...	...	24·198	+18·275	-5	...	...	...	...	43·992	-14·588	0·75	...	...
...	...	6·915	-4·332	-1	...	...	*	24·391	+26·364	1·10	46.10137	9·3	...	...	44·332	+4·630	0·70	...	...
...	...	6·962	-35·600	0·80	...	...	...	24·994	+11·868	-3	...	...	...	...	44·397	-49·496	-5	m	...
...	+	8·005	-49·964	-5	...	...	...	+25·600	+8·079	-2	...	...	...	...	+44·472	+52·650	-3	...	...
...	...	8·066	+55·789	-5	...	...	...	25·974	+55·595	-5	...	...	...	...	44·677	+18·831	1·20	46.10145	9·2
...	...	8·251	+58·975	-5	...	...	...	26·702	-33·837	-5	...	...	...	...	45·468	-34·522	0·70	...	...
...	...	8·427	+51·612	-5	...	...	...	26·750	+8·033	-2	...	...	...	...	46·126	+6·791	0·70	...	...
...	...	8·635	+56·697	-5	...	...	...	27·968	+31·609	0·70	...	...	...	...	46·160	-14·630	-4	...	...
191	...	+	8·779	+38·310	-5	...	...	28·081	+21·012	-3	...	...	...	...	+46·199	+59·148	1·40	46.10146	9·6
...	...	9·061	-20·343	-2	...	...	S *	[28·250	+20·911	2·80	46.10139	7·2	...	...	47·401	-5·469	-5	m	...
...	...	9·304	+17·108	-4	...	...	...	28·123	-41·001	-5	m	...	...	...	47·676	+42·625	-3	...	...
...	...	9·547	+44·387	0·80	...	...	...	28·363	-22·067	-4	...	...	...	...	47·882	-12·346	0·95	47. 9627	9·6
...	...	10·624	+18·162	0·80	...	...	...	29·604	+54·465	-4	...	...	...	...	48·325	+47·974	2·10	46.10148	8·0
*	+	11·179	-12·012	1·00	47. 9622	10·0	...	+29·997	-24·583	-5	...	...	...	...	+48·763	+25·498	-1	...	...
...	...	11·719	-6·305	0·70	...	...	...	30·434	-36·096	-4	...	...	...	...	48·936	+35·650	1·20	46.10149	8·8
...	...	12·957	-30·587	-4	...	...	...	30·636	-25·596	-4	...	...	...	...	49·209	-30·661	-4	e	...
...	...	13·061	+9·646	0·85	46.10127	10·0	...	30·804	+21·787	-5	...	...	...	...	49·353	-21·063	-5	...	...
...	...	13·115	+56·173	0·70	...	...	...	30·972	-21·057	-2	...	...	...	...	49·752	+21·832	0·70	...	...
201	...	+13·286	+28·645	-5	...	*	...	+31·031	-32·557	0·70	47. 9624	10·0	...	...	+50·189	-10·014	-5	...	...
*	13·797	+33·275	1·10	46.10128	9·6	...	31·082	+17·131	-5	m	...	...	...	...	50·335	+19·353	1·70	46.10150	8·4
S *	14·332	+51·182	1·75	46.10129	8·0	...	31·215	-16·831	-4	...	...	...	...	50·828	-0·093	-5	e	...	
...	14·794	-31·415	-5	...	...	...	31·684	+16·543	-5	m	...	...	...	51·265	+15·747	0·90	...	...
*	15·010	+25·874	0·95	...	...	...	31·782	+51·434	-2	...	...	...	...	52·532	-38·308	-5	m	...	
...	+15·269	-34·404	-5	...	...	...	+31·919	-2·167	-4	...	...	...	...	+52·723	+0·767	-3	...	...
...	15·759	+1·404	-4	...	...	...	31·992	-5·565	-4	...	...	...	...	52·853	+20·367	1·15	46.10151	9·3	
...	15·877	-56·126	-5	...	...	...	32·444	-3·069	-5	...	...	...	...	52·951	-20·649	0·70	...	...
...	16·596	+43·196	-4	a	...	...	32·464	+13·480	-3	...	...	...	...	52·970	-33·998	1·05	47. 9628	10·0	
...	17·322	-21·262	0·75	47. 9623	10·0	...	32·513	-49·322	0·70	...	...	...	...	53·383	+1·994	-5	...	...
211	*	+17·345	+15·435	1·60	46.10130	8·8	...	27·1	+32·517	+36·153	-5	m	...	...	+53·821	-19·068	-4	...	...
...	17·651	+33·073	0·65	...	...	...	32·624	+32·836	-2	...	...	...	...	54·041	+24·050	-5	e	...	
...	17·801	+25·705	-4	...	...	...	32·914	-18·884	-3	...	...	...	...	54·055	-39·209	-5	...	...
...	18·257	-25·140	0·75	...	...	...	32·998	+2·957	-5	...	...	...	...	+54·799	+1·241	0·95	47. 9629	9·8	
...	18·756	+1·515	-3	...	...	...	33·084	-46·973	-2	...	...	...	...	55·063	+0·999	0·85	47. 9630	10·0	
+	19·149	+31·486	-2	...	...	...	+34·528	+28·836	-5	...	...	...	...	+55·141	-39·016	-5	...	...
...	19·319	-8·439	-2	...	...	...	35·129	+17·637	-4	...	...	...	...	55·399	+9·691	-5	...	...
...	19·404	+30·296	-2	...	...	...	35·361	+40·455	-2	...	...	...	...	55·512	+47·707	-5	...	...
...	19·599	+20·623	0·65	...	...	...	35·419	-22·753	-5	...	...	...	...	56·264	-0·151	-5	f	...	
...	19·779	+2·485	-4	...	...	...	35·559	+22·371	-4	...	...	...	...	56·479	-14·350	0·70	...	...
221	...	+19·979	-14·942	-5	...	...	...	28·1	+35·611	+30·253	-3	...	...	...	+56·733	-5·574	1·10	47. 9631	9·4
...	20·068	+32·351	0·75	46.10131	10·0	...	...	35·927	+17·535	-4	...	...	...	...	57·081	+57·721	1·50	46.10152	9·2
...	20·128	-36·018	-4	...	...	...	...	36·072	-53·014	-2	...	...	...	...	57·234	+14·242	-5	...	...
...	20·264	-50·091	-5	m	...	...	...	36·870	+5·818	0·85	46.10141	9·8	...	...	58·109	-41·407	-2	...	...
...	20·488	-20·145	-5	...	...	...	...	36·879	+54·245	1·80	46.10140	8·4	...	...	58·254	+9·189	-5	...	...
+	20·739	-28·575	-3	...	...	...	+37·327	-42·964	-5	m	...	...	...	...	+58·358	-47·876	1·20	47. 9632	9·6
...	20·801	-55·775	0·75	48.10517	9·8	...	...	37·854	-44·129	-4	a	...	...	...	59·247	-42·900	1·15	47. 9633	9·3
...	21·186	-58·084	-3	...	...	...	...	38·308	-35·275	-4	...	...	...	...	...	...	...	...
*	21·429	+14·151	0·90	46.10132	9·6	...	...	38·377	-34·972	-3	...	...	...	...	...	...	...	...
...	21·724	+27·233	-4	...	...	*	38·479	-55·519	0·80	48.10522	9·8	...	...	...	...	...	...	...
231	...	+22·147	-48·438	-5	m	...	*	+39·520	+56·905	1·00	46.10142	9·8	...	...	...	...	...	...
...	22·225	-56·280	-5	...	...	...	...	39·719	-13·621	-3	...	...	...	...	...	...	...	...
...	22·267	-14·201	-3	...	...	...	...	39·916	+22·403	-4	...	...	...	...	...	...	...	...
...	22·558	+28·391	-5	...	...	...	...	40·023	-0·157	0·90	47. 9626	10·0	...	...	...	...	...	...
*	22·637	+9·422	0·90	46.10133	9·6	*	...	40·046	+5·491	2·20	47. 9625	7·8	...	...	...	...	...	...
*	+22·943	+42·504	-5	...	...	...	...	+40·381	+1·754	0·80	...	...	...	...	...	...	...	...
*	23·110	+16·394	0·75	46.10134	9·8	...	...	40·548	+24·522	-4	...	...	...	...	...	...	...	...
...	23·144	-47·053	-2	...	...	...	...	41·316	+53·274	1·40	46.10143	9·4	...	...	...	...	...	...
...	23·690	+27·557	-4	...	...	...	...	41·639	+33·954	0·70	...	...	...	...	...	...	...	...
...	23·743	+55·338	0·70	46.10135	10·0	...	...	41·920	+3·439	-5	m	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.	
1-60						61-120						121-180						
I	-59°532	+52°408	-5	°	...	6I	-37°849	+24°574	1°50	46.10159	8.8	12I	-12°504	+41°022	0°95	46.10167	10°3	
*	58°246	+18°611	1°40	46.10145	9°2	...	37°688	-19°510	0°65	...	...	...	12°391	-41°951	-5	...	...
...	58°141	+4°393	-3	...	...	...	36°838	-16°342	0°70	...	...	...	11°736	-12°483	-3	...	...
...	57°994	+58°963	1°20	46.10146	9°6	...	36°514	+25°279	-5	M	...	...	11°233	-34°551	-2	...	...
...	57°871	-14°827	-1	...	...	...	36°439	+2°683	-1	...	...	...	10°761	-20°938	-5	...	...
...	-56°410	+6°604	-3	...	...	...	-36°361	+8°072	0°80	...	...	...	-10°447	-15°558	-5	...	...
...	55°993	+42°493	-4	...	...	...	36°255	-6°932	-3	...	...	...	8°345	+39°037	1°10	46.10168	9°8
...	55°774	-34°711	-3	...	...	*	36°156	-26°054	1°00	47. 9635	10°0	...	8°269	+49°084	-5	...	...
...	55°700	-14°801	-5	...	...	...	36°111	+29°300	0°80	...	...	...	7°992	+47°585	-2	...	...
*	55°502	+47°858	2°40	46.10148	8°0	*	35°732	+43°874	1°00	46.10161	10°0	...	7°850	-45°494	-5	...	...
II	-54°522	+35°557	1°70	46.10149	8°8	7I	-35°674	+24°513	1°00	46.10160	10°0	*	-7°440	-44°795	1°60	47. 9645	9°0	
...	54°390	+25°403	-3	...	...	...	35°407	-22°669	-4	...	...	...	5°823	+11°003	0°70	...	...
...	54°057	-12°462	0°85	47. 9627	9°6	†	34°702	-20°198	-5	...	...	...	5°287	-44°563	0°80	47. 9646	10°6
...	53°265	+21°779	0°70	...	...	...	34°062	-19°508	-4	...	...	...	4°881	-42°669	-5	...	...
*	52°585	+19°316	1°80	46.10150	8°4	...	33°731	+3°251	0°70	...	...	...	4°568	-55°514	0°90	48.10541	9°8
...	-52°320	-21°126	-5	...	...	‡	-32°961	-40°128	0°70	47. 9636	9°8	...	-3°894	+32°866	-4	...	...
...	52°149	-30°744	-5	E	...	...	32°940	+37°352	1°00	46.10162	10°0	...	3°813	+11°801	-5	m	...
...	51°549	+15°735	0°70	...	...	...	32°637	+0°467	-5	...	...	...	3°489	-8°435	-5	...	...
...	51°505	-0°113	-5	E	...	...	32°524	-5°127	-5	...	...	...	1°515	+36°007	0°70	...	...
*	50°124	+20°403	1°10	46.10151	9°3	...	30°428	+49°543	0°70	...	...	...	1°339	+22°948	-2	...	...
2I	-49°636	+0°799	-3	...	...	*	-30°317	-44°136	1°10	47. 9637	9°6	S*	-0°597	-0°665	1°05	47. 9647	9°6
...	49°064	+24°121	-5	E	...	*	29°799	+47°858	1°00	46.10163	10°6	...	+0°154	+38°005	0°65	...	...
...	49°014	+2°046	-5	...	...	...	29°311	+12°879	-4	...	...	...	0°800	+40°156	-2	...	...
...	48°732	-20°616	-3	...	...	...	29°197	-40°717	0°80	...	...	...	1°324	+54°734	0°65	...	...
...	48°506	+30°691	-3	...	...	...	28°531	+11°871	0°90	...	...	...	2°390	+1°219	0°90	...	...
...	-48°323	+47°821	-5	...	...	*	-28°036	-26°980	1°20	47. 9638	9°5	S*	+2°452	-28°007	1°20	47. 9648	9°5
*	48°272	-33°958	1°00	47. 9628	10°0	*	27°728	+0°113	1°40	47. 9639	8°8	...	4°230	+5°139	0°75	...	...
...	47°908	-18°994	-4	...	...	...	27°617	+48°720	-5	...	...	...	4°301	+38°128	-3	...	...
*	47°559	+1°340	0°95	47. 9629	9°8	*	27°465	+5°209	1°15	47. 9640	9°8	...	4°674	+51°452	0°80	...	...
...	47°294	+1°104	0°75	47. 9630	10°0	*	27°363	+43°015	1°15	46.10164	9°6	*	6°899	-0°083	1°05	47. 9649	10°3	
3I	-47°220	+9°804	-5	9I	-27°298	-42°964	0°70	1°51	+7°016	+59°091	-4
*	47°074	+57°876	1°80	46.10152	9°2	...	26°850	+36°451	-4	...	...	...	7°815	-10°714	-1	...	...
...	47°029	-39°127	-5	...	...	...	26°755	+57°742	-2	...	...	...	9°239	+38°272	-4	...	...
...	46°060	-0°010	-5	F	...	...	26°463	-58°662	-2	...	...	...	10°737	+17°942	-5	...	...
...	45°949	-38°911	-5	...	...	S*	26°410	-24°005	1°50	47. 9641	8°6	...	11°203	+28°168	-5	...	...
...	-45°541	+14°404	-5	...	...	*	-26°166	-10°402	1°40	47. 9642	8°6	...	+11°696	-33°763	-5	...	...
*	45°414	-5°418	1°15	47. 9631	9°4	...	25°846	-46°174	-5	...	...	...	12°003	+41°495	-5	...	...
...	45°386	-14°196	-2	...	...	*	25°124	-35°025	1°05	47. 9643	10°4	...	12°112	+27°028	0°70	...	...
...	44°374	+9°385	-5	...	...	...	24°815	-32°529	-1	...	...	...	12°283	-40°296	-5	...	...
...	44°345	+34°337	0°80	46.10153	10°0	...	24°497	+36°571	0°70	...	...	...	12°883	+42°478	0°70	...	...
4I	-43°300	+53°485	1°05	46.10155	9°6	...	-23°854	-39°744	-5	16I	+13°609	+37°131	0°90	46.10169	10°6
*	43°143	+53°537	1°20	46.10156	9°6	...	23°573	+14°880	0°75	...	...	...	13°732	-23°261	-5	...	...
...	43°100	+18°841	-4	...	...	...	22°962	+21°114	-4	...	...	...	13°870	-43°094	0°70	...	...
...	42°914	-41°199	-4	...	...	...	22°717	-7°910	-2	...	...	...	15°138	+59°481	1°00	46.10170	10°3
...	42°738	+22°905	0°75	46.10154	10°0	...	21°287	-36°394	-3	...	...	...	15°956	-28°961	0°75	...	...
*	-42°458	-47°656	1°10	47. 9632	9°6	...	-21°243	+50°884	-5	...	...	...	+16°687	+35°132	1°15	46.10171	9°8
*	42°069	+56°707	2°00	46.10156	8°4	...	20°850	+25°381	-3	S*	17°170	-57°740	2°45	48.10547	7°6
S*	41°891	+49°515	2°25	46.10157	7°8	...	20°755	+4°516	0°70	...	...	...	17°566	-55°587	-5	...	...
...	41°845	+35°408	0°65	...	...	S*	19°786	+25°503	2°10	46.10165	7°9	*	17°736	+56°696	1°50	46.10172	9°0
*	41°708	-42°643	1°10	47. 9633	9°3	...	19°697	+33°175	-5	...	...	...	17°865	+35°230	-5	m	...
5I	-41°100	-2°974	0°75	III	-19°524	-2°154	-5	17I	+17°893	+55°215	0°75
*	40°527	+2°958	1°15	47. 9634	9°4	...	18°838	+14°802	-4	...	...	...	18°147	+55°497	0°85	...	...
...	40°241	+44°515	-1	...	...	...	18°532	-54°187	-2	...	...	*	18°794	-32°507	1°00	47. 9650	10°6
...	39°629	+43°210	-4	...	...	*	18°261	+38°360	0°90	46.10166	10°2	...	19°174	-56°896	0°80	...	...
...	39°525	-38°059	-5	...	...	...	17°918	-24°512	0°85	47. 9644	10°6	...	19°705	-13°620	0°75	...	...
...	-39°524	+12°657	0°70	...	...	...	-14°913	-13°818	-2	...	...	...	+20°652	+59°249	0°90	46.10173	10°4
...	39°009	-0°600	-5	...	...	...	14°489	-43°808	-5	...	...	...	21°323	+4°816	-2	...	...
...	38°895	+58°081	-3	...	...	†	13°990	-30°214	-2	...	...	...	22°100	+50°774	-2	...	...
...	38°415	-56°143	0°80	...	...	...	12°669	+26°098	-3	...	...	...	22°340	+36°911	-2	...	...
S*	38°405	+6°100	3°30	46.10158	6°9	...	12°533	+7°009	-5	...	...	...	22°833	+39°493	-3	...	...

ES measured from 1, 109, 176.

MB .. " .. 54, 142, 214.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
181-210																		
181	+23·533	-37·532	1·20	47·9651	9·5	211	+39·034	+54·839	1·50	46·10180	9·3	241	+53·238	-57·603	0·70	°	...	
...	24·046	-4·514	-4	...	...	...	39·773	+31·068	-2	...	...	...	54·623	+31·108	1·10	46·10183	9·8
†	24·877	-13·145	0·65	47·9652	10·6	...	39·907	+47·589	-3	...	...	...	55·586	+15·274	0·95	46·10184	10·3
*	24·911	-43·971	1·05	47·9653	9·8	...	40·188	-44·039	-1	...	...	...	55·669	-20·942	-4	...	...
†	24·960	+48·772	-2	...	...	...	40·547	-16·293	-5	...	...	...	55·993	-59·829	0·75	...	...
*	+25·051	-55·726	1·10	48·10549	9·8	...	+40·554	-39·425	-5	m	...	...	+56·148	+46·047	1·10	46·10185	10·6
*	26·127	+16·170	0·85	46·10174	10·4	*	40·815	+28·684	1·00	46·10181	10·2	...	56·463	-39·877	1·10	47·9660	10·2	
...	26·837	-16·141	-2	...	...	...	40·823	+59·295	-5	m	...	...	57·215	-24·184	-2	...	...
S*	27·075	+48·329	2·85	46·10175	7·2	*	41·153	-49·642	1·10	47·9657	10·3	...	57·567	+18·479	0·65	...	...
...	27·231	+0·758	-4	...	...	...	41·760	-33·030	-2	...	...	...	57·897	-27·184	0·80	...	...
191	221																	
...	+28·174	+35·972	-5	...	...	...	+42·252	-1·254	-2	...	...	...	58·418	-27·410	2·00	47·9661	8·2
...	28·729	-51·121	-3	...	...	...	42·713	-54·312	-4	...	...	...	59·100	-25·962	-3	...	...
*	29·368	+21·188	0·90	46·10176	10·4	...	42·736	-51·522	1·05	47·9658	10·4	...	59·363	-55·031	1·10	48·10555	9·8	
*	30·491	-50·091	1·05	47·9654	10·3	...	42·917	-23·902	-4	...	...	...	59·773	+3·561	0·80	47·9662	10·0
...	30·782	+17·452	-4	...	...	...	43·625	-13·760	-5	...	...	...			
...	+31·538	+47·533	-5	...	...	...	+44·411	+19·118	0·80	...	...	...			
...	33·133	-33·114	-2	...	...	...	S*	45·917	+20·715	1·50	46·10182	8·8					
...	33·811	+13·317	0·90	46·10177	10·2	...	46·584	-38·513	-5	...	...	...			
...	34·046	+8·353	0·85	46·10179	10·6	...	47·449	-31·392	0·90	...	...	...			
...	34·101	+7·849	0·65	...	...	...	47·871	+41·432	-2	...	...	...			
201	231																	
*	+34·165	+25·978	1·05	46·10178	9·8	...	+48·628	+33·963	0·65	...	...	...	48·940	-27·083	-5	...	...
...	34·332	+0·527	-2	...	...	...	49·024	-1·234	-1	...	...	...	35·775	-25·469	1·05	47·9665	9·6
...	35·149	+42·905	-5	...	...	...	49·474	+18·644	-3	...	...	...	35·389	-59·904	0·80	...	...
*	35·496	-36·003	1·00	47·9655	10·0	†	49·729	-30·660	0·75	47·9659	10·6	...	35·063	+13·199	-1	...	...
...	36·313	+10·508	-5	...	...	...	51·030	+57·698	-4	...	...	...	34·928	-35·112	-4	...	...
...	+36·486	-4·023	0·75	47·9656	10·3	...	+51·084	+16·468	-4	...	...	...	-33·994	-51·436	0·85	47·9666	10·6
...	38·134	+24·986	-5	...	...	...	51·155	-16·384	-5	m	...	...	33·892	+39·916	0·70	...	...
...	38·546	+15·546	-5	m	51·618	-50·894	-3	S*	33·802	+19·858	1·70	46·10187	8·2
...	38·796	-37·587	0·65	...	...	...	51·671	+11·305	0·80	...	...	...	33·269	-27·526	0·70	...	...
...	38·816	-21·516	-3	52·367	+34·727	-4	*	33·176	-25·359	2·70	47·9667	7·6

1-20					21-40					41-60								
I	-59·602	-49·956	1·15	47·9657	10·3	21	-46·013	-20·784	-5	°	...	41	-35·940	-27·083	-5	...	...
*	58·672	-24·160	-5	...	...	*	45·369	+18·672	-3	...	...	*	35·775	-25·469	1·05	47·9665	9·6
...	58·533	+18·804	-2	...	...	*	44·609	-39·684	0·95	47·9660	10·2	...	35·389	-59·904	0·80	...	...
...	58·290	-13·989	-5	...	...	*	44·419	-59·640	-1	...	...	...	35·063	+13·199	-1	...	...
S*	57·944	-51·778	0·90	47·9658	10·4	...	44·371	-23·978	-5	...	...	...	34·928	-35·112	-4	...	...
...	-57·066	+20·538	1·50	46·10182	8·8	...	-43·582	-26·955	-2	...	...	...	-33·994	-51·436	0·85	47·9666	10·6
...	55·785	+41·307	-3	...	...	S*	43·033	-27·165	1·70	47·9661	8·2	...	33·892	+39·916	0·70	...	...
...	54·806	+33·872	-3	*	42·837	+6·103	-5	S*	33·802	+19·858	1·70	46·10187	8·2
...	53·882	-31·488	0·70	...	...	*	42·674	+3·844	0·85	47·9662	10·0	...	33·269	-27·526	0·70	...	...
...	53·458	+18·577	-4	...	...	*	42·485	+28·223	0·85	46·10186	10·2	...	33·176	-25·359	2·70	47·9667	7·6
II	31																	
...	-53·283	-1·293	-4	-42·417	-25·700	-4	51	-32·623	+58·822	-5
...	53·136	+57·638	-5	...	...	...	41·508	+0·468	-5	...	...	...	31·078	+14·902	0·70	...	...
...	51·785	+16·456	-4	...	...	...	41·209	-54·739	0·65	+8·10555	9·8	...	30·354	+32·200	-2	...	...
...	51·630	-30·673	0·70	47·9659	10·6	...	40·719	+46·333	-5	...	...	...	29·965	+37·976	0·65	...	...
†	51·088	+34·732	-4	...	...	...	40·272	-4·954	-4	...	...	...	29·663	-28·568	0·85	...	...
...	-51·027	+11·315	-2	...	...	...	-40·136	+53·331	-4	...	...	...	-28·594	-6·498	-5	...	...
*	48·706	+31·210	1·00	46·10183	9·8	*	39·193	-36·850	1·00	47·9663	10·4	...	28·238	+23·056	-5	...	...
...	47·669	+46·184	0·80	46·10185	10·6	*	38·136	-41·575	1·70	47·9664	8·8	*	27·673	+38·381	1·10	46·10188	9·5	
...	47·264	-57·521	-3	...	...	*	37·732	+19·381	-4	...	...	...	27·071	-49·143	0·75	...	...
...	47·240	+15·406	0·75	46·10184	10·3	...	36·457	-26·362	-5	*	25·883	+46·295	1·00	46·10189	10·4

ES measured from 1, 73, 156.
MB " " 37, 114, 202.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
61-120																		
61	-25°713	-16°772	1°05	47° 9668	10°2	...	+ 2°030	+39°209	-3	°	...	...	181	+30°394	-34°792	-5	...	...
...	25°147	+18°134	-3	...	...	...	3°194	-50°286	-2	...	...	...	...	31°225	-21°585	-5	...	...
*	24°738	-28°699	1°10	47° 9669	9°6	...	3°232	-16°402	-2	...	...	...	...	31°481	-36°719	-3	...	...
S *	23°949	-28°525	3°00	47° 9670	7°0	S *	4°607	+ 5°012	2°20	47° 9680	8°0	...	...	31°574	+ 1°487	-3	...	...
*	23°613	+ 2°064	1°10	47° 9671	10°2	...	4°679	+21°786	0°70	...	...	...	...	31°901	+17°680	-3	...	...
...	-23°604	-28°831	0°80	...	...	...	+ 4°770	+35°448	-2	...	...	...	...	+32°323	+30°205	-2	...	...
...	23°390	+10°972	0°65	...	...	...	5°125	-50°915	-2	...	...	...	...	32°574	+16°955	-4	...	...
...	23°333	-42°540	0°80	...	...	*	5°448	+33°002	1°00	46.10199	9°8	...	...	32°756	-38°914	-2	...	...
...	22°322	-8°128	-5	...	...	...	6°063	-40°833	-4	...	...	...	...	32°862	-3°023	-5	...	...
...	21°638	-49°870	-3	...	...	...	6°986	+46°910	-4	...	...	...	...	33°392	-49°460	-1	...	...
71	* -20°895	-53°769	1°15	48.10558	9°4	131	+ 7°320	+38°547	-5	...	...	...	191	+33°985	+ 6°760	-2	...	...
...	20°490	+ 7°461	0°75	...	...	...	7°817	-49°118	-3	...	...	...	...	34°555	+14°055	-5	...	...
...	19°986	-23°678	-2	...	...	...	7°976	+52°653	0°65	...	...	...	...	34°957	+26°215	-5	...	...
...	19°811	+51°687	-4	...	...	...	9°224	+48°441	-5	...	...	*	...	36°919	+10°585	1°00	46.10208	9°8
...	19°793	-31°445	-4	...	...	...	9°419	+ 6°859	0°85	46.10200	10°6	...	...	37°691	-6°531	-5	...	...
†	-19°788	+ 9°712	0°70	46.10190	10°2	*	+ 9°708	-19°266	1°10	47° 9682	9°5	...	...	+38°236	+27°088	-4	...	...
...	18°609	-17°569	-3	47° 9672	10°6	*	9°716	-4°255	1°20	47° 9681	9°4	...	...	38°348	+45°336	0°70	46.10209	10°6
...	18°401	+40°434	-4	...	...	*	10°641	+33°714	1°10	46.10201	9°6	...	...	38°603	-0°530	-3	...	...
...	18°394	+52°992	-3	...	...	*	10°955	-40°643	1°05	47° 9683	10°4	...	...	39°007	+27°789	-5	...	...
*	17°949	-44°349	1°40	47° 9673	9°4	...	10°967	-39°596	-2	...	...	...	...	39°112	+ 1°076	-2	...	...
81	-17°483	+ 8°353	-4	...	...	141	+11°476	+26°638	-4	...	...	...	201	+39°301	-20°694	-4	...	...
...	16°329	-46°739	-4	...	...	*	13°131	+32°318	1°05	46.10202	10°0	...	...	39°985	+29°927	-3	...	...
...	15°963	+33°580	-5	...	...	...	13°195	-37°928	-2	...	...	...	...	40°002	+46°720	-4	...	...
...	15°500	-40°090	-2	...	...	...	13°237	-32°579	0°90	47° 9684	10°4	S *	40°170	+45°742	2°00	46.10210	8°4	
...	13°689	-59°295	-2	...	...	...	13°368	+21°144	-1	...	...	*	...	41°134	+42°696	1°10	46.10211	9°5
*	-13°636	-43°195	1°90	47° 9674	8°4	...	+14°275	+27°775	-5	...	...	...	...	+41°378	-8°154	0°80	47° 9691	10°6
*	13°627	+ 7°771	1°15	46.10192	9°5	*	14°281	+56°141	1°05	46.10203	10°6	*	...	41°415	-9°378	3°00	47° 9692	7°2
...	13°517	+48°478	-5	...	...	...	17°135	+12°131	-5	...	...	*	...	41°484	-39°677	1°00	47° 9693	10°0
...	13°190	-34°923	-5	...	...	...	17°246	-38°062	0°70	...	...	S *	42°114	+23°751	2°00	46.10212	7°9	
S *	12°788	-57°430	1°25	48.10561	9°4	...	17°637	-8°411	-3	...	...	*	...	42°588	-44°063	1°00	47° 9694	10°6
91	-12°362	-52°186	-5	...	...	151	+17°929	-24°141	0°80	...	...	...	211	+42°700	+17°668	-4	...	...
*	12°136	-51°075	1°05	47° 9675	9°8	...	18°401	-5°641	0°65	47° 9685	10°3	...	...	42°703	-53°444	-5	m	...
...	11°697	+20°651	-4	...	...	*	18°632	+31°234	1°10	46.10204	9°6	*	...	42°841	+14°116	1°10	46.10213	9°8
...	11°650	+25°074	-1	46.10193	10°6	*	19°144	-53°493	1°10	47° 9686	9°8	...	...	43°078	+ 1°182	-1	...	...
...	10°252	-2°089	-5	...	...	...	19°629	-15°876	-4	...	...	*	...	43°110	-16°336	1°05	47° 9695	9°8
...	-9°952	-42°325	-2	...	...	...	+19°898	-31°156	-5	...	...	...	...	+44°351	+47°339	-5	...	...
...	9°020	+47°295	-4	...	...	...	19°999	-15°105	-5	...	...	...	...	44°492	+53°367	-3	...	...
...	8°958	+58°135	-5	...	...	...	20°883	-35°735	-4	...	...	*	...	45°905	+53°472	1°15	46.10214	10°2
...	7°980	+36°430	-5	...	...	...	22°973	+18°260	0°75	46.10205	10°6	...	...	46°705	+ 6°071	0°85	47° 9696	10°6
S *	7°918	+45°981	2°60	46.10194	7°7	...	22°981	+14°599	0°65	...	...	...	...	47°148	+ 1°706	0°70	...	...
101	-7°693	+14°989	-5	...	...	161	+23°626	-43°656	-2	...	...	...	221	+47°217	+58°150	0°75	...	...
S *	6°668	-16°466	1°70	47° 9676	8°6	*	24°102	-15°795	1°10	47° 9687	9°6	...	...	47°329	+ 9°759	0°75	...	...
*	4°889	-48°464	0°65	...	...	...	24°284	+51°007	-5	...	...	...	...	47°584	-7°250	-3	...	...
*	4°092	-13°938	1°15	47° 9677	9°3	...	24°870	-27°088	-5	...	...	...	...	47°883	+18°190	-2	...	...
...	3°768	+32°704	-5	...	...	...	24°909	-32°915	-4	...	...	*	...	48°023	+16°248	1°30	46.10215	9°0
...	-2°964	-49°480	-5	...	...	...	+26°312	+58°655	-5	...	...	S *	...	+48°406	-25°388	1°95	47° 9697	7°8
...	2°876	-56°307	-2	...	...	...	26°457	+53°719	-2	...	...	N †	...	49°757	+12°780	-5	...	...
*	2°516	+45°987	1°20	46.10196	9°3	...	26°823	-50°471	-5	...	...	...	...	50°141	+26°592	0°75	...	...
...	2°422	+55°364	-4	...	...	*	26°920	+36°235	1°35	46.10206	9°0	...	...	50°436	+59°268	-5	...	...
†	2°262	-55°084	-5	...	...	...	27°111	+31°984	-5	...	...	...	...	51°325	-48°665	-5	...	...
III	- 1°962	+45°267	-4	...	...	171	+27°339	+50°051	0°95	46.10207	10°0	...	231	+51°423	+38°738	-4	...	...
...	0°446	-32°312	-5	...	...	S *	27°584	-2°674	4°00	47° 9688	6°8	*	...	51°808	+29°108	1°10	46.10217	9°5
*	0°371	-36°737	1°05	47° 9678	9°8	...	27°782	-26°267	-3	...	...	*	...	51°858	+29°830	2°80	46.10216	7°4
...	0°074	-37°720	0°65	...	...	S *	28°657	-37°079	1°05	47° 9689	9°6	...	...	52°599	-17°014	0°70	...	...
...	+ 0°092	-58°791	-3	...	...	...	28°793	-11°370	-4	...	...	...	...	53°941	-19°404	-4	...	...
...	+ 0°117	-50°385	-2	...	...	...	+28°810	+ 8°916	-4	...	...	...	...	+53°951	-49°154	-5	...	...
*	0°218	+27°233	1°50	46.10198	9°0	...	29°049	+57°443	0°65	...	...	*	...	55°647	+18°022	1°10	46.10218	9°8
*	0°270	- 9°253	1°20	47° 9679	9°4	...	29°110	+45°671	-5	...	...	S *	...	56°223	-56°617	1°25	48.10576	9°4
...	1°229	+54°397	0°70	...	...	...	29°283	-3°738	0°65	...	...	*	...	56°938	-5°568	1°10	47° 9698	10°3
...	1°830	-55°378	-4	...	...	*	29°563	-35°492	0°95	47° 9690	9°8	...	...	57°091	-54°465	-5	...	...

227. Partly obscured by fault.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		...	No.	Mag.	x.	y.	...	No.	Mag.	
241-246																		
241	+57·785	-36·000	1·30	47·9699	9·3													
*	58·215	-0·740	-4	...	...											
...	58·472	+54·009	-5	...	...											
...	58·746	-12·133	-3	...	...											
...	58·766	-37·255	-5	...	...											
...	+58·902	-46·695	0·80	...	...											

1-40						41-80						81-120					
I	-59·931	+13·836	1·05	46·10213	9·8	41	* -40·165	-18·154	1·30	47·9700	8·8	81	-21·349	-44·922	-2	0	...
+	59·586	-39·961	1·00	47·9693	10·0	...	39·503	-12·263	-4	...	...	...	21·067	-42·227	-5	...	...
*	59·529	+53·112	-4	...	...	...	39·400	+14·270	0·65	...	...	...	20·918	+35·264	-4	...	...
...	59·291	+0·923	-2	...	...	...	39·287	+49·387	-5	...	...	...	19·790	+1·409	-3	...	...
*	58·700	-16·589	1·15	47·9695	9·8	...	37·300	+13·098	0·75	...	...	...	19·715	-34·694	-4	...	...
...	-58·338	-44·324	0·85	47·9694	10·6	...	-36·434	+17·273	-5	...	...	...	-19·522	+49·911	-4	...	...
...	58·127	+53·280	1·00	46·10214	10·2	...	36·202	+45·305	-5	...	...	...	* 19·314	-56·175	0·85	48·10586	10·4
...	56·968	+57·997	-1	...	...	...	36·022	+35·176	1·00	46·10220	10·2	...	* 19·162	-21·333	1·05	47·9703	9·6
...	55·824	+5·929	0·65	47·9696	10·6	...	35·872	+9·993	0·70	...	...	...	19·158	+58·459	-3	...	...
...	55·307	+9·634	0·65	...	...	...	35·431	-14·166	-5	...	...	...	18·919	-39·126	-1	...	...
II						51						91					
...	-55·231	+1·579	-2	...	...	...	-34·514	-9·337	-4	...	...	...	-18·834	-5·991	-3	...	...
+	55·024	+18·066	-3	...	...	...	33·993	-19·925	-4	...	...	...	* 17·777	-52·815	0·90	47·9704	10·3
*	54·810	+16·136	1·50	46·10215	9·0	...	32·441	-2·246	0·80	47·9701	10·6	...	16·226	+17·248	-5	...	...
...	54·521	-7·354	-4	...	...	...	32·290	-54·776	-3	...	...	...	16·156	-37·807	0·75	47·9705	10·4
S*	53·101	-25·459	2·00	47·9697	7·8	S*	32·069	+44·133	1·25	46·10221	9·0	...	15·085	-48·165	0·65	...	...
...	-53·048	+26·538	-4	...	...	*	-31·613	-6·505	0·80	47·9702	10·6	S*	-14·176	+59·141	1·70	46·10225	8·6
...	52·967	+12·737	-4	...	...	...	31·336	-23·028	-3	...	...	...	13·987	+37·696	-2	...	...
...	52·149	+38·722	-4	...	...	...	31·033	-11·969	-3	...	...	...	13·818	+26·350	-3	...	...
*	51·436	+29·107	1·10	46·10217	9·5	...	30·477	+36·379	-4	...	...	...	11·733	+28·050	0·75	46·10226	10·0
+	51·420	+29·832	2·70	46·10216	7·4	...	29·602	-34·449	-3	...	...	...	11·721	-7·501	-3	...	...
21						61						101					
...	-49·632	-21·079	-5	...	...	...	-28·762	+1·553	-5	M	...	...	-11·567	-26·171	-2	...	...
...	49·459	-48·645	-4	...	...	*	28·310	+43·091	1·00	46·10222	10·6	...	11·479	+46·703	0·70	46·10227	10·6
...	49·205	-16·959	-3	...	...	*	27·869	-54·487	1·10	48·10582	10·2	...	10·633	+47·524	-4	...	...
...	49·073	-59·615	-5	...	...	...	27·253	+49·312	-4	...	...	...	9·954	+28·870	-5	...	...
...	47·790	-19·308	-5	...	...	*	26·877	+27·719	1·10	46·10223	9·6	...	9·420	-22·721	0·95	47·9706	10·2
*	-47·258	+18·147	1·10	46·10218	9·8	...	-26·568	+37·883	-5	...	...	*	-8·216	+41·242	0·80	46·10229	10·4
...	46·816	-49·032	-5	...	...	*	26·390	-39·020	0·85	...	...	...	7·967	-34·137	-5	...	...
...	45·568	+54·202	-4	...	...	†	26·160	+59·586	0·70	...	...	...	7·702	-34·486	-5	...	...
*	45·214	-5·387	0·95	47·9698	10·3	...	26·149	-33·086	-3	...	...	...	7·078	-39·738	-4	...	...
S*	44·298	-56·429	1·20	48·10576	9·4	...	26·007	+26·190	-3	...	...	...	6·165	+1·973	-5	m	...
31						71						III					
...	-43·509	-54·237	-4	...	...	...	-25·691	-44·771	-5	M	...	...	-5·637	+14·953	-5	m	...
*	43·388	-35·774	1·20	47·9699	9·3	...	25·322	+25·065	-4	...	...	...	5·479	+58·097	-5	...	...
...	43·211	-11·887	-3	...	...	...	25·304	-36·619	-3	...	...	...	* 4·910	-44·006	1·20	47·9707	9·5
...	42·649	+3·384	-2	...	...	+	25·065	-24·785	0·90	...	...	...	4·816	-1·487	-4	...	...
...	42·383	-36·985	-4	...	...	...	25·018	-21·739	-3	...	...	...	4·082	+56·390	0·85	46·10230	10·4
...	-42·130	+20·948	-4	...	...	S*	-24·941	+11·956	1·20	46·10224	9·2	...	-3·839	-58·543	-5	...	...
...	41·949	-46·418	0·70	...	...	...	24·628	-18·989	-5	...	...	...	3·558	-23·620	-2	...	...
...	40·832	+29·224	-4	...	...	...	23·489	-13·488	0·70	...	...	...	3·312	-59·104	0·90	48·10591	10·4
...	40·591	-37·937	-4	...	...	...	22·979	+27·804	-5	...	...	...	3·231	-53·627	0·75	48·10592	10·4
...	40·167	+33·088	-2	...	...	...	22·029	-14·296	-3	...	...	...	2·575	+30·375	-5	...	...

ES measured from 1, 84, 167.
MB " " 42, 124, 207.

Notes.	Co-ordinates.		Diam.	C.P.D.*		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
121-160																		
121	- 1.618	+45.308	- 3	o	...	...	+15.075	-29.565	- 5	o	...	...	+36.852	-38.907	- 4	o	...
...	1.002	+43.918	- 2	...	...	...	16.322	-11.611	0.80	...	...	...	37.557	+19.007	- 2	...	...
...	- 0.442	+11.582	0.80	46.10233	10.3	...	16.575	+46.215	0.75	...	...	...	37.802	- 5.737	- 4	...	...
...	+ 0.137	+20.360	- 5	...	...	...	17.664	+ 6.652	- 5	...	...	...	38.233	- 4.472	- 5	...	...
*	0.668	+39.556	1.70	46.10234	8.8	*	18.760	+34.405	1.40	46.10246	8.8	...	38.812	+17.527	- 5	...	...
...	+ 0.755	+49.746	- 4	...	...	...	+19.337	-30.594	- 5	...	...	...	+38.890	-45.563	- 3	...	...
*	1.410	+26.817	1.05	46.10235	10.0	†	19.814	-19.378	- 2	...	...	...	40.164	- 5.144	- 5	...	...
*	1.734	+37.520	1.10	46.10236	10.0	...	19.885	-21.826	- 3	...	...	...	40.705	+36.574	0.70	...	...
*	1.764	-27.338	1.20	47. 9708	9.6	...	20.064	-53.505	- 5	...	...	...	41.521	+32.011	- 5	...	...
...	2.018	- 7.000	- 1	...	...	...	20.293	-18.667	0.75	47. 9713	10.4	...	41.804	+37.060	1.00	46.10252	10.2
131	...	...	...	...	...	171	...	...	...	...	...	211	...	...	...	...	...
...	+ 2.935	+37.747	- 2	...	...	...	+20.665	-45.594	- 2	...	...	...	+42.251	+53.933	0.70	...	...
...	2.943	-13.704	- 1	...	...	*	20.693	+24.997	0.85	46.10247	10.0	†	43.278	+ 9.667	- 5	...	...
...	2.943	-46.864	- 4	...	...	...	21.796	- 3.827	- 4	...	...	...	43.543	+24.098	- 4	...	...
...	3.951	+50.672	- 3	...	...	...	22.186	+24.404	- 2	...	...	...	43.666	- 1.241	0.80	...	...
...	4.623	-26.259	- 3	...	...	...	24.441	+53.265	- 5	...	...	...	45.267	-35.674	1.10	47. 9719	9.6
...	+ 4.679	-32.004	0.70	...	...	†	+24.443	+39.607	1.20	46.10248	9.4	...	+45.440	- 8.026	- 4	...	...
S*	4.762	-43.299	1.00	47. 9709	10.0	...	24.531	- 7.399	0.70	...	...	...	45.504	- 8.218	1.05	47. 9718	9.1
S*	5.652	+16.778	1.05	46.10237	9.6	...	24.624	-23.136	0.70	47. 9714	10.3	...	45.867	-31.494	0.70	...	...
...	5.663	-23.358	- 5	...	...	S*	25.124	- 3.248	3.00	47. 9715	7.6	*	46.970	+44.738	1.10	46.10253	9.8
...	6.755	+12.378	- 1	...	...	†	25.204	-50.059	0.90	47. 9716	10.0	...	47.559	+44.295	- 3	...	...
141	...	...	...	...	...	181	...	...	...	...	...	221	...	...	...	...	...
S*	+ 7.174	-40.419	1.80	47. 9710	8.2	...	+26.258	-40.346	- 5	...	...	...	+47.883	+16.787	0.95	...	...
S*	7.381	+36.631	1.65	46.10239	8.8	...	26.290	+ 0.444	- 5	m	...	...	48.119	-31.412	1.05	47. 9720	10.0
...	7.783	+29.151	- 4	...	...	...	27.240	-26.797	- 4	...	...	...	48.330	+26.974	1.05	46.10254	10.4
...	8.454	+36.722	- 4	...	...	...	27.361	+40.363	- 5	...	...	...	48.639	- 11.310	- 2	...	...
...	9.013	-38.590	- 5	...	...	...	27.953	-44.901	0.85	47. 9717	10.6	...	48.962	+22.946	- 5	...	...
...	+ 9.048	-33.874	- 1	...	...	...	+28.313	+23.794	- 4	...	...	...	+48.976	+ 9.443	- 4	...	...
*	9.687	-14.896	0.90	47. 9711	10.4	*	28.499	+30.858	0.85	46.10249	10.3	...	50.139	-26.383	- 1	...	...
...	9.702	+44.431	0.70	46.10240	10.6	...	29.135	-28.483	- 5	...	...	...	50.497	+32.497	0.80	...	...
...	9.990	-28.304	- 2	...	...	†	29.784	-10.229	- 3	...	...	...	50.553	-41.264	1.10	47. 9721	9.6
†	10.012	-20.154	- 4	...	...	...	30.698	-36.274	- 4	...	...	...	50.570	- 3.145	- 4	...	...
151	...	...	...	...	...	191	...	...	...	...	...	231	...	...	...	...	...
...	+10.242	-49.379	1.00	...	...	...	+31.973	+ 3.368	- 4	...	...	...	+51.617	+53.979	1.40	46.10255	9.0
...	10.323	+50.496	- 5	...	...	...	32.341	+42.356	- 4	...	...	...	51.839	+47.613	1.15	46.10256	9.6
...	10.446	-13.155	- 5	32.531	+12.313	- 4	S*	52.680	-39.252	1.15	47. 9722	9.2
*	10.818	+51.517	1.20	46.10241	8.8	*	33.442	+34.463	1.15	46.10250	9.5	...	55.431	+44.406	- 3	...	...
*	11.094	-26.635	1.10	47. 9712	10.2	†	34.746	+19.177	1.10	46.10251	9.5	...	55.522	+34.819	0.75	...	...
...	+12.234	-36.121	0.80	...	...	...	+34.799	-22.064	- 4	...	...	...	+55.817	-56.896	- 3	...	...
...	12.489	-56.589	1.00	48.10597	10.6	...	35.209	-26.530	- 4	...	...	...	57.122	+49.130	2.00	46.10257	8.2
*	13.597	+33.187	1.10	46.10242	9.8	...	35.677	-16.401	- 5	...	...	...	57.143	-42.661	- 4	...	...
...	13.666	+48.786	- 5	...	...	...	35.864	-56.079	0.85	48.10601	10.4	*	58.069	- 3.611	1.10	47. 9723	9.6
...	13.748	+24.476	0.90	46.10243	10.4	...	36.393	-34.689	- 3	...	...	...	44.163	- 3.393	1.00	47. 9723	9.6

1-10						11-20						21-30						
I	-59.551	+23.840	- 5	o	...	II	-54.867	+26.869	0.85	46.10254	10.4	21	-51.354	-26.401	- 2	o	...	
...	59.368	+ 9.407	- 5	...	...	...	54.109	+22.861	- 5	...	...	...	50.465	-41.257	1.10	47. 9721	9.6
...	58.640	- 1.481	0.75	...	...	...	53.651	+ 9.385	- 4	...	...	...	49.009	+19.176	- 5	M	...
*	56.786	+44.575	0.90	46.10253	9.8	...	53.339	-11.374	- 1	S*	48.399	-39.190	1.15	47. 9722	9.2
...	56.629	- 8.206	- 4	...	...	...	53.212	-31.493	1.00	47. 9720	10.0	...	48.318	+44.518	- 1	...	...
*	-56.565	- 8.390	1.20	47. 9718	9.1	...	-53.153	+33.410	- 5	...	...	...	-47.925	+34.928	0.75	...	...
...	56.177	+44.147	- 4	...	...	...	52.865	+32.453	0.70	...	...	...	46.770	+49.290	2.10	46.10257	8.2
*	55.922	-35.840	1.15	47. 9719	9.6	*	52.442	+53.977	1.40	46.10255	9.0	...	46.160	+56.664	- 4	...	...
...	55.463	-31.637	0.75	...	...	*	52.018	+47.611	1.10	46.10256	9.6	...	44.705	-56.733	- 3	...	...
...	54.974	+16.672	0.80	...	...	...	51.667	- 3.160	- 2	...	...	*	44.163	- 3.393	1.00	47. 9723	9.6

MB measured from I, 71, 161.
ES " " 32, III, 202.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.		
31-90																			
31	-43.826	-42.450	-3	0	...	...	91	-8.845	-5.893	1.25	47.9730	9.3	151	+15.948	+59.519	1.05	46.10277	9.6
...	39.692	-33.796	-3	0	...	...	...	8.816	+30.238	-5	...	...	...	16.356	-51.554	-5	...	...
S *	39.624	+30.397	1.80	46.10258	8.4	...	...	8.071	-24.539	-5	...	...	*	16.972	+25.662	1.05	46.10278	9.6
S *	39.168	+57.916	2.90	46.10259	6.8	...	...	7.390	+21.833	1.70	46.10270	8.5	...	17.338	+23.126	-4	...	...
...	39.149	-29.252	-4	0	...	...	...	7.011	+55.412	-5	M	...	...	17.388	-43.829	-2	...	...
...	-39.037	-46.362	0.70	47.9724	10.4	...	...	6.941	+32.386	-2	...	...	...	+17.485	-3.683	-5	...	...
*	38.875	+43.438	1.20	46.10260	9.4	*	...	6.844	-40.879	1.10	47.9731	9.4	...	17.516	+26.579	-3	...	...
...	38.476	+17.170	-5	0	...	...	...	6.676	+32.340	-1	...	...	...	17.571	+43.534	-5	...	...
...	38.155	-10.505	-5	0	...	...	...	6.328	+33.365	0.70	...	...	...	17.961	+43.742	-4	...	...
...	37.792	+5.622	-5	0	...	...	...	6.247	-42.297	-4	...	...	...	19.635	-11.683	-5	...	...
41	-36.904	-3.365	-5	0	...	...	101	-5.692	+11.203	1.10	46.10271	9.6	161	+20.120	-32.440	-4	...	...
...	36.546	+36.793	-4	0	...	...	...	5.000	-53.912	1.00	48.10620	10.4	...	20.704	-4.545	-5	...	...
...	36.252	-58.503	-3	0	...	...	...	4.844	-6.495	-4	...	...	...	22.706	+18.537	-4	...	...
*	36.184	-3.446	1.20	47.9725	9.3	...	...	4.803	+58.955	-1	...	...	...	23.001	-58.314	-4	...	...
...	35.863	+33.969	-3	0	...	...	...	4.498	-10.409	-3	...	...	...	23.120	-49.023	-5	...	...
...	-34.357	-1.663	-3	0	...	...	*	-4.213	-56.812	1.15	48.10621	9.0	...	+23.648	+2.663	0.65	...	...
...	34.058	+9.205	-5	0	...	...	...	3.024	-36.623	-4	...	...	...	24.448	+3.598	-2	...	...
...	34.026	+40.355	-4	0	...	...	...	2.407	-52.573	0.80	47.9732	10.4	...	24.511	+11.461	-1	...	...
...	33.824	+49.187	-5	0	...	...	...	0.460	+41.000	-1	...	...	...	25.147	+24.361	0.65	...	...
...	31.307	+54.965	-5	M	0	...	...	-0.300	+58.798	-4	...	...	S *	25.314	-4.378	1.40	47.9742	9.0
51	-30.101	-35.331	-3	0	...	...	111	+0.261	-32.754	-4	...	...	...	+25.872	-42.728	0.75	...	...
...	28.906	-44.921	-3	0	...	...	...	0.282	-29.416	-4	...	...	...	26.206	+55.087	0.70	...	...
*	28.745	-12.082	1.05	47.9726	9.6	...	...	0.519	-42.239	-5	...	...	*	26.341	-20.857	1.00	47.9743	9.6
...	28.494	-46.150	-4	0	...	...	...	0.816	-53.851	-5	...	...	...	26.976	+14.454	-4	...	...
...	27.914	-16.933	-5	0	...	...	...	1.114	-17.803	-2	...	...	...	27.601	+31.031	0.80	...	...
...	-27.862	-52.655	0.80	47.9727	10.2	...	+	1.249	-28.908	-4	...	...	...	+27.677	-33.791	-3	...	...
...	26.631	-37.330	0.85	47.9728	10.0	*	...	1.313	-25.841	0.85	47.9733	9.6	...	28.078	+10.622	-2	...	...
...	26.014	-43.137	-3	0	...	...	...	1.734	-24.024	-4	...	...	...	28.445	+56.358	-5	...	...
...	25.521	+31.508	-4	0	...	...	...	2.096	+19.452	-3	...	...	...	29.193	-18.640	0.65	...	...
...	25.065	+49.749	-4	0	...	...	...	2.451	-42.356	0.90	47.9734	9.6	...	29.861	+46.991	0.75	46.10279	10.4
61	-24.373	+22.773	-5	0	...	...	121	+2.605	-26.678	-5	...	...	...	+30.003	+52.806	0.80	...	...
...	24.178	-40.545	-1	0	S *	3.336	+47.241	1.90	46.10273	7.8	...	30.120	+19.847	-4
*	24.050	+27.041	1.60	46.10262	8.6	...	...	4.162	+32.577	-5	...	...	...	30.175	+18.055	-5	...	...
...	23.069	-43.407	-4	0	...	...	...	4.782	+46.754	1.10	46.10274	9.4	*	30.709	-11.331	1.05	47.9744	9.4
...	22.931	+17.380	-5	0	...	...	...	4.799	-2.586	-3	47.9735	10.4	...	31.267	-52.815	1.00	47.9745	10.4
...	-21.897	+16.608	-3	0	...	...	...	+4.806	-9.756	-5	...	...	...	+31.851	-35.540	-3	...	...
...	21.767	+41.269	-2	0	...	...	*	4.940	-49.616	1.10	47.9736	9.6	...	32.352	+49.361	0.75	...	...
*	21.751	+30.898	1.80	46.10263	8.4	...	...	5.080	-39.632	-4	...	...	...	33.633	+8.017	-4	...	...
...	20.964	-20.006	-5	0	...	...	...	5.823	+47.485	-5	...	...	...	34.148	+38.070	0.95	46.10280	10.4
...	20.818	+23.039	-4	0	...	...	...	5.915	+1.597	-4	...	...	*	34.532	-21.050	1.10	47.9746	9.4
71	S *	-20.104	+13.573	1.55	46.10264	8.2	...	131	+6.185	-34.246	-5	+35.204	+2.366	-5
...	19.686	-24.978	-4	0	...	...	...	6.239	+6.100	-4	...	...	...	35.957	-53.852	0.70	...	...
...	19.423	-21.110	0.75	47.9729	10.4	...	...	6.349	-3.159	-3	47.9737	10.4	...	36.298	-10.656	-5	...	...
...	18.837	-44.911	0.80	...	...	...	...	7.464	+18.476	-5	...	...	...	36.450	-55.286	-2	...	...
...	17.297	-10.545	-5	0	...	...	...	7.577	-41.906	-4	...	...	...	37.627	-6.633	-3	...	...
...	-17.009	-45.276	0.75	0	...	...	...	+7.941	-37.683	-5	...	...	...	+37.783	-18.797	0.85	47.9747	10.4
...	16.902	+49.404	0.75	46.10265	10.4	...	...	8.185	-49.904	-3	...	...	...	38.145	-2.462	-2	...	...
...	15.609	+48.513	0.80	...	...	...	...	8.240	-25.493	-5	...	...	S *	38.376	-38.253	1.50	47.9748	8.2
†	15.188	+18.987	0.75	46.10266	10.4	*	...	9.430	+6.378	1.20	47.9738	9.4	...	38.704	-47.138	-4	...	...
...	14.091	+19.926	-5	0	...	...	...	9.608	+30.342	-1	46.10275	10.4	S *	39.338	+4.924	1.55	47.9749	8.6
81	*	-12.834	+40.281	1.15	46.10267	9.0	...	141	+10.287	+15.944	-5	...	*	+39.357	-39.018	1.05	47.9750	9.8	
...	11.949	-27.424	-5	0	S *	10.963	-46.433	1.10	47.9739	9.6	...	40.060	-54.230	-4
...	11.051	+27.043	-3	0	...	...	...	11.149	-56.985	1.25	48.10626	9.0	...	41.470	-44.310	-4	...	...
...	9.907	+30.856	-3	0	...	...	...	11.460	-34.262	-5	...	...	*	41.839	+49.785	1.00	46.10281	9.6
...	9.897	-4.230	-1	0	...	...	...	12.301	-30.005	-4	...	...	*	41.934	-25.304	0.85	47.9751	10.2
...	-9.274	-6.746	-5	0	...	...	...	+12.926	+39.507	-5	...	...	S *	+42.148	+54.368	1.20	46.10282	9.3
*	9.133	+49.156	1.15	46.10268	9.2	...	...	13.074	+42.173	-5	...	...	...	42.286	-23.306	-2	...	...
...	9.080	+53.628	0.85	...	...	...	*	13.877	-44.883	0.85	47.9740	10.0	...	42.405	-47.990	-4	...	...
...	9.043	+38.249	-5	0	...	...	...	14.401	-33.223	-4	...	...	...	42.572	-5.685	-3	...	...
...	8.988	+1.377	-5	0	...	...	+	14.655	-50.555	1.20	47.9741	9.2	*	42.893	-7.425	0.95	47.9752	9.6

- 47°

No. 130

CAPE ASTROGRAPHIC ZONE.

1903·74

21^h 35^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-3.	No.		x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.			
211-220																		231-239		
211																				
...	+43°047	-49°975	-4	°	+47°958	+23°451	-2	°	+53°087	+45°672	-4	°
...	43°054	-16°922	-5	48°569	+33°993	-5	53°429	-22°891	-5
*	43°393	+6°816	1°20	46.10283	9°1	49°305	-34°133	-3	53°634	-22°764	-5
...	44°043	+6°027	-4	49°565	+41°589	-4	53°946	+17°445	0°75	46.10286	10°4	...
...	44°242	-19°515	-3	49°780	+36°644	-3	55°024	-0°281	-5	e
...	+44°310	+13°869	-5	...	...	...	...	+50°335	+46°117	0°70	46.10285	10°4	S *	+55°611	+31°763	1°30	46.10287	9°0	...
...	45°578	-34°978	-4	...	...	...	...	51°194	-21°343	-4	...	...	*	55°617	+8°482	2°30	46.10288	8°0	...
...	45°980	-10°527	-4	...	...	...	...	51°520	+51°326	-4	...	...	...	56°205	+9°525	-3	...	...	...
...	46°922	+47°742	-4	...	...	...	*	51°927	-32°171	1°10	47. 9754	9°4	S †	58°709	+4°744	1°30	47. 9755	8°6	...
S *	47°771	-52°168	1°90	47. 9753	8°0	...	...	51°959	-24°371	-5	...	...	...	...	...	...	...	...	...

- 47°

No. 131

D, -2.

1903·74

21^h 45^m

1-40						41-80						81-120						
I	,	,	°	...	...	4I	,	,	°	...	...	8I	,	,	°	...	...
...	-59°579	-25°575	0°90	47. 9751	10°2	...	-40°079	+13°047	-3	...	...	...	-22°107	-59°016	0°70	48.10651	10°6	...
...	59°571	-5°953	-2	...	...	...	38°985	+55°869	-2	...	...	...	21°757	+38°853	-2	...	...	...
...	59°441	-44°600	-5	...	...	...	37°680	-45°983	-4	...	...	N	21°624	+9°319	-4	...	...	...
...	59°294	-23°575	-1	...	...	*	37°589	+21°356	0°85	46.10291	10°4	...	21°317	+6°564	-4	...	...	...
*	59°201	-7°685	1°00	47. 9752	9°6	...	37°468	-41°743	0°90	47. 9756	10°4	...	20°889	+27°144	-2	...	...	...
*	-59°156	+6°573	1°25	46.10283	9°1	...	-37°392	-42°408	-4	...	...	...	-20°761	+0°027	-2	α	...	...
...	58°741	-17°171	-5	...	...	...	36°705	+12°902	-4	...	...	*	20°710	-12°380	1°00	47. 9763	10°0	...
...	58°473	+5°796	-5	...	...	...	35°810	+53°119	-1	...	...	*	20°327	-33°300	1°10	47. 9764	9°6	...
...	58°396	-48°243	-5	...	...	...	35°737	-7°131	-5	...	...	...	18°253	+22°978	-5	...	...	...
...	57°474	-19°726	-3	...	...	...	35°299	-10°436	-4	...	...	...	18°118	-14°155	0°75	47. 9765	10°2	...
II						5I						9I						
...	-56°913	+47°569	-5	...	...	...	-34°609	+24°866	-4	...	...	S *	-17°126	-4°558	2°85	47. 9766	7°6	...
...	56°011	-10°675	-3	...	...	...	33°375	+25°331	0°70	...	...	...	16°150	+37°238	-5	...	...	...
...	55°629	-35°129	-4	...	...	*	32°681	-44°905	1°30	47. 9757	8°5	*	16°093	+32°581	1°30	46.10297	9°0	...
...	55°119	+23°331	-2	...	...	S *	32°667	-45°685	4°00	47. 9758	6°7	*	15°805	+7°772	1°00	46.10298	9°6	...
...	54°086	+41°513	-5	...	...	...	32°210	-57°146	-1	...	...	*	15°500	-4°383	1°20	47. 9767	9°0	...
...	-53°725	+36°573	-2	...	...	...	-30°718	-22°468	-4	...	...	...	-14°983	-58°821	-4	...	...	...
...	53°462	+46°068	0°75	46.10285	10°4	...	30°444	-34°489	-3	...	...	...	14°315	+37°080	-5	...	...	...
S *	52°876	-52°245	2°05	47. 9753	8°0	*	30°262	+16°162	1°00	46.10292	10°2	...	13°873	-25°168	-3	...	...	...
...	52°455	+51°299	-5	...	...	...	30°128	+50°731	0°70	...	...	...	13°102	-16°915	0°70	47. 9768	10°4	...
...	51°931	-34°169	-2	...	...	...	29°914	+28°774	-4	...	...	*	12°714	+24°919	1°05	46.10299	9°4	...
2I						6I						10I						
...	-50°691	+45°713	-5	...	...	N *	-29°729	-22°768	1°70	...	...	...	-11°946	+42°593	-5	...	...	...
...	50°463	-21°323	-4	...	...	...	28°439	-21°132	-3	...	...	...	11°159	+52°691	-4	...	...	...
...	49°926	-19°792	-5	...	...	...	27°741	+57°757	-5	...	...	...	11°066	+44°860	-4	...	...	...
...	49°603	-24°321	-5	...	...	†	27°231	+39°668	1°00	46.10293	9°4	*	10°928	+44°834	1°35	46.10300	8°8	...
...	49°559	-24°365	-5	...	...	...	26°902	-27°559	0°65	...	...	...	10°720	-47°898	-4	...	...	...
*	-49°380	-32°118	1°20	47. 9754	9°4	*	-26°894	+51°046	1°00	46.10294	10°2	...	-9°510	+42°489	-4	...	...	...
...	48°938	+17°527	0°70	46.10286	10°4	...	26°727	+25°980	-4	M	...	...	8°226	-0°813	-2	...	...	...
...	48°178	-22°804	-5	...	...	...	26°651	+45°611	-4	...	...	S *	6°930	+45°658	1°60	46.10301	8°5	...
...	48°108	+27°419	-5	...	...	...	26°227	-41°265	-4	...	...	...	6°580	-52°995	-5	...	...	...
...	47°977	-22°664	-5	...	...	...	26°148	+25°163	-4	M	...	...	5°123	+10°701	-2	46.10302	10°4	...
3I						7I						III						
S *	-47°726	+31°887	1°25	46.10287	9°0	...	-26°036	-43°797	-2	...	...	...	-5°062	-3°579	-5	...	...	...
...	47°310	-0°156	-5	E	...	...	24°775	-46°551	0°95	47. 9759	10°0	†	5°021	+19°416	-3	...	...	...
*	46°970	+8°624	2°20	46.10288	8°0	*	24°625	-20°996	1°30	47. 9760	8°8	...	4°572	+42°169	-5	...	...	...
...	46°436	+9°680	-4	...	...	...	24°598	-17°010	-3	...	...	...	4°414	+15°002	-3	...	...	...
S *	43°773	+4°982	1°35	47. 9755	8°6	*	23°606	-11°057	1°10	47. 9761	9°4	...	4°273	+17°008	-2	...	...	...
...	-42°863	-23°860	-5	...	...	*	-23°586	+21°295	1°10	46.10295	9°6	...	-3°461	+14°350	-2	...	...	...
...	42°832	+22°888	0°65	46.10289	10°4	...	22°992	+18°395	-4	...	...	*	2°829	-9°513	1°10	47. 9769	9°4	...
*	41°870	+51°838	1°00	46.10290	10°0	...	22°965	-29°374	0°80	47. 9762	10°4	N *	2°680	-51°855	1°05	47. 9770	9°6	...
...	41°352	+45°511	0°80	...	...	*	22°651	+17°561	1°10	46.10296	9°4	...	1°677	-45°529	-5	...	...	...
...	40°388	-7°064	-5	...	...	...	22°628	-19°970	0°65	...	...	...	1°614	-45°492	-5	...	...	...

ES measured from
MB " , 89, 169.
MB " , 42, 123, 202.61. Var. L = 8°0 - 12°5.
83, 118. Faulty image.21^h 45^m

494

- 47°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.			
121-160																				
121	*	-0.643	-27.362	1.15	47. 9771	9.4	161	*	+15.150	-32.440	1.00	47. 9781	10.0	201	*	+37.893	+37.811	-5
...	-0.228	-18.187	-5	15.170	+21.804	0.65	+	39.795	-17.208	1.05	47. 9789	9.6	
...	+0.172	+33.627	0.70	S *	15.913	+30.649	1.10	46.10309	9.3	...	*	40.700	-58.033	1.15	48.10670	9.8		
...	0.358	-8.271	-4	M m	16.350	-26.002	0.70	*	40.943	+21.402	1.10	46.10314	9.4		
*	0.363	-8.182	1.05	47. 9772	9.4	...	16.906	+14.816	-5	*	41.494	-45.494	-4		
...	+0.377	-36.291	-2	...	...	*	+18.759	+16.930	1.10	46.10310	9.6	*	+41.953	+32.603	1.00	46.10315	10.2	
...	0.792	+23.957	0.65	...	...	†	18.814	-40.120	-5	...	...	*	42.105	-51.537	1.10	47. 9793	9.8
...	0.974	+48.545	0.80	46.10303	10.4	S *	19.479	-18.211	2.70	47. 9782	7.8	...	42.248	-39.800	-3	...	...	
*	2.577	+13.537	1.10	46.10304	10.0	...	21.192	+32.476	-5	...	...	...	43.974	+29.059	0.95	46.10316	10.4
...	2.848	-31.962	-3	...	...	...	22.191	-51.322	-3	...	...	S *	46.211	-24.314	3.50	47. 9791	7.0
131	+	4.145	+34.471	-5	m	...	171	+22.370	+16.052	-2	211	+46.475	-39.159	-3		
†	4.725	-48.570	-2	...	...	*	22.472	-23.666	1.05	47. 9783	9.4	...	46.627	+44.978	0.70	46.10317	10.4	
...	4.912	-45.385	-3	...	...	...	23.368	-32.049	0.80	47. 9784	10.0	...	47.930	+20.366	0.65	...	...	
*	5.120	-1.433	1.20	47. 9773	9.4	...	23.443	-6.689	-5	...	...	...	48.837	+51.884	-4	...	...	
...	5.407	-20.458	-4	...	...	...	23.902	+45.292	-3	46.10311	10.4	*	48.871	+15.462	1.10	46.10318	9.3
...	+6.053	+32.844	0.70	...	...	...	+24.828	-43.167	-5	m	...	...	+49.045	+13.797	-3	...	...	
...	6.181	+20.563	0.65	46.10305	10.4	...	24.871	+43.693	0.70	46.10312	10.4	...	49.660	+38.003	-4	...	...	
...	6.723	+18.536	-1	...	...	...	25.151	-2.295	-5	...	...	...	52.965	-38.155	-1	...	...	
*	7.489	-56.163	1.05	48.10661	10.4	...	25.567	-28.913	-5	...	...	...	53.232	-35.119	0.70	...	...	
...	8.047	-59.436	-2	...	...	...	25.828	-45.228	-5	...	...	...	53.377	+18.622	-3	...	...	
141	+	8.156	+39.740	0.80	46.10306	10.4	181	+26.237	+40.311	-2	221	*	+54.602	+1.308	1.00	47. 9792	10.0	
*	8.825	-10.677	1.00	47. 9774	10.0	...	26.284	+27.059	-5	m	...	*	54.836	-49.508	1.10	47. 9794	9.8			
...	8.995	-45.693	0.70	...	...	*	26.377	-29.556	1.50	47. 9785	9.0	*	55.000	+9.148	1.05	46.10319	10.0	
*	9.566	-19.876	1.00	47. 9775	9.6	...	26.748	+37.852	-5	...	...	S *	55.512	+2.335	2.80	47. 9793	7.6	
†	9.738	-39.083	1.00	47. 9776	9.8	...	26.952	-27.577	-4	...	...	...	55.694	-48.412	0.65	...	...	
...	+10.689	-15.304	0.65	...	...	...	+29.812	-27.854	-4	...	...	*	+57.305	+5.384	0.95	47. 9795	10.4
...	10.921	-39.444	0.80	47. 9777	10.4	...	29.816	+42.019	-2	46.10313	10.4	...	57.791	-32.617	0.65	...	...	
S *	11.319	-39.302	1.05	47. 9778	9.6	...	30.053	+14.154	-5	...	...	...	57.879	-56.529	-1	...	...	
...	11.362	+9.052	0.75	...	...	...	30.510	+6.344	-5	...	...	...	58.943	-12.418	-4	...	...	
...	11.515	+41.329	-3	...	...	...	30.765	-52.722	-2	...	...	...	...	...	...	...	...
151	+	11.594	+56.049	-4	191	+30.773	+36.451	-5	21	*	+42.639	-56.276	0.75	
*	11.873	-53.298	1.05	48.10662	10.0	*	30.828	-24.291	0.80	47. 9786	10.0	...	41.458	-24.184	1.15	47. 9796	9.4			
*	12.101	+55.004	1.05	46.10307	10.0	...	33.546	+21.875	-4	...	...	...	41.318	+7.520	0.65	...	...	
...	12.233	-10.063	-3	...	...	...	35.015	+48.709	-4	...	...	...	41.241	+15.844	1.05	46.10322	10.0
...	12.245	-38.911	0.75	...	...	†	35.742	-30.189	0.85	47. 9787	10.0	...	41.234	+0.852	0.70	...	...	
...	+12.806	-40.526	-4	...	...	...	+36.013	-14.193	0.65	47. 9788	10.4	...	-41.140	+47.424	1.05	46.10323	10.2
...	12.987	-10.650	0.85	47. 9779	10.4	...	36.450	+57.733	0.65	...	...	...	40.270	-19.879	1.70	47. 9797	8.4
*	13.645	-8.309	1.20	47. 9780	9.3	*	36.685	-53.826	1.05	48.10669	9.8	S *	39.791	+38.221	1.80	46.10324	8.4			
...	13.860	+10.677	0.75	...	...	...	37.625	+41.553	-2	...	...	...	39.393	+13.528	-3	...	...	
*	14.588	+8.199	1.20	46.10308	9.3	...	37.890	-4.412	-5	...	...	...	39.248	+49.757	0.80	...	...	

1-10					11-20					21-30							
I	-59.791	-58.361	1.40	48.10670	9.8	II	-49.561	+18.672	-3	o	...	21	-42.639	-56.276	0.75	...	...
...	59.273	+28.816	1.10	46.10316	10.4	...	48.140	-38.069	-1	...	...	*	41.458	-24.184	1.15	47. 9796	9.4
*	58.575	-51.803	1.20	47. 9790	9.8	...	47.983	-35.030	0.70	...	...	...	41.318	+7.520	0.65	...	...
...	57.137	+44.811	0.70	46.10317	10.4	...	47.776	+1.422	0.95	47. 9792	10.0	...	41.241	+15.844	1.05	46.10322	10.0
S *	55.327	-24.454	3.15	47. 9791	7.0	...	47.621	+9.272	1.05	46.10319	10.0	...	41.234	+0.852	0.70	...	...
†	-55.066	+20.250	-4	...	...	S *	-46.874	+2.476	2.80	47. 9793	7.6	...	-41.140	+47.424	1.05	46.10323	10.2
...	54.612	-39.283	-4	...	...	*	45.913	-49.365	1.10	47. 9794	9.8	+	40.270	-19.879	1.70	47. 9797	8.4
*	53.946	+15.376	1.20	46.10318	9.3	...	45.200	+5.575	0.80	47. 9795	10.4	S *	39.791	+38.221	1.80	46.10324	8.4
...	53.730	+13.719	-2	...	...	...	45.110	-48.225	-1	...	...	...	39.393	+13.528	-3	...	...
...	51.936	+13.824	-4	...	...	...	43.500	-32.383	0.65	...	...	...	39.248	+49.757	0.80	...	...

MB measured from 1.100.
ES 43.141.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-1.	No.	Mag.	x.	y.		-1.	No.	Mag.	x.	y.	-1.	No.	Mag.	
31-90																		
31	-38°725	-7°184	1°05	47° 9798	9°6	*	-5°916	+34°751	1°00	46°10333	9°8	*	151	+33°635	+0°460	-5
*	38°229	+42°447	0°95	...	...	...	4°879	+5°426	-5	M	...	†	35°614	+15°084	-4	...	...
...	36°767	-49°060	-4	...	...	...	4°757	-25°746	-3	...	...	*	36°066	-22°472	1°00	47° 9825	9°6
...	36°388	-25°806	-2	...	...	*	4°498	-41°515	1°70	47° 9810	8°6	...	36°201	+47°160	0°90	46°10353	10°4
*	36°332	+1°774	1°00	47° 9799	10°0	...	4°046	+11°417	0°70	46°10334	10°4	...	36°273	-33°289	0°90	47° 9826	10°0	
...	-36°322	-18°657	0°65	...	...	S*	-2°767	-56°064	1°95	48°10680	8°0	...	+36°695	+16°201	-5	...	...
...	35°655	-24°521	0°70	...	...	...	2°079	-7°066	0°80	47° 9811	10°4	S*	36°836	+45°362	1°95	46°10355	7°9
...	35°604	+2°268	-5	...	...	...	0°968	-43°972	-3	...	...	...	38°184	+46°441	-3	...	...
...	35°355	-25°128	0°75	...	...	...	-0°548	-1°229	0°80	47° 9812	10°4	†	38°353	+19°987	0°65	...	...
...	32°647	+45°081	-5	...	...	S*	+0°663	+32°029	1°35	46°10336	9°0	*	39°391	-52°523	1°25	47° 9827	9°8
41	91-150																	
...	-32°326	+42°349	-2	...	...	*	+0°675	+28°897	1°10	46°10335	9°6	†	+39°566	+59°308	0°70	...	...
...	31°734	-30°051	-4	...	...	...	0°960	-46°602	0°65	...	...	...	39°879	+17°655	-5	...	...
...	30°031	+11°194	-1	46°10325	10°4	...	1°776	+29°338	0°75	...	...	*	39°914	+19°175	1°05	46°10356	9°8
...	29°653	-15°343	0°75	47° 9800	10°2	...	2°699	-58°068	0°80	...	...	...	40°363	-25°977	-5	...	...
...	29°634	+42°671	-5	...	...	...	3°505	+31°177	0°75	...	...	...	40°384	+20°519	-5	...	...
*	-29°634	-8°497	1°15	47° 9801	9°6	*	+3°545	-16°139	1°30	47° 9813	9°3	...	+42°081	+8°620	-4	...	...
...	29°314	+56°263	-4	...	...	S*	5°861	+8°058	1°20	46°10339	9°3	...	42°641	-21°228	-5	...	...
...	28°408	+22°839	-1	46°10326	10°4	...	6°010	-57°997	1°00	...	...	...	43°477	-3°713	-3	...	...
S*	27°908	+46°660	2°55	46°10327	7°6	...	6°166	-18°403	-2	...	...	...	43°612	-58°122	-2	...	...
...	26°995	-11°523	-5	...	...	*	7°362	+41°701	1°05	46°10340	10°0	...	43°886	+32°693	-5	...	...
51	151-190																	
...	-26°693	-14°253	0°85	47° 9802	10°0	...	+7°798	-57°690	0°70	...	...	...	+47°823	-55°743	-1	...	...
...	26°281	-23°245	-5	...	...	...	8°144	-48°003	-2	...	...	...	49°175	+10°149	0°75	...	...
...	26°278	+47°777	-3	...	...	...	8°602	+57°449	0°80	46°10341	10°4	*	49°986	-13°381	1°00	...	...
...	25°781	+24°451	-4	...	...	*	9°982	-37°609	1°80	47° 9814	8°6	...	50°534	+26°616	0°90	...	...
...	25°738	-8°380	-5	...	...	*	11°245	+45°032	1°05	46°10342	9°8	S*	51°077	-6°952	1°70	47° 9828	8°4
...	-24°388	-30°919	-5	...	...	*	+11°585	+28°881	1°30	46°10343	8°8	...	+51°600	-27°129	0°80	...	...
*	24°346	-37°144	1°40	47° 9803	9°0	...	11°793	+59°307	0°95	46°10344	10°2	...	52°099	-25°621	0°70	...	...
...	23°809	-44°295	-2	47° 9804	10°4	...	12°487	+22°912	0°70	...	...	*	52°880	+21°212	1°25	46°10357	9°4
...	22°761	-38°645	-3	...	...	...	13°474	+39°415	0°75	...	...	...	52°911	+10°695	-5	...	...
...	22°417	+29°288	-4	...	...	...	14°180	+35°326	0°85	...	...	...	53°767	-36°245	0°65	...	...
61	121																	
...	-21°968	+13°642	-5	...	...	...	+15°176	+29°814	1°00	46°10345	10°0	...	+54°974	+17°245	-5	...	...
...	21°785	-7°785	-5	...	...	*	16°404	-22°484	1°20	47° 9815	9°3	...	55°368	-29°719	-3	...	...
...	21°199	+36°699	-4	...	...	...	16°506	+14°911	-3	...	...	...	55°605	-48°779	1°00	...	...
...	20°784	-23°835	-5	...	...	...	17°110	+57°500	-2	...	...	...	55°679	+41°164	-5	...	...
S*	20°456	+10°697	2°30	46°10328	8°2	*	17°609	-48°663	1°15	47° 9816	9°4	...	56°161	+1°371	-2	...	...
*	-20°012	-12°763	1°20	47° 9805	9°4	S*	+18°657	-34°647	1°50	47° 9817	8°8	...	+56°202	+32°189	0°65	...	...
*	18°561	-45°703	0°95	47° 9806	9°6	*	18°864	-47°778	1°15	47° 9819	9°4	...	57°030	+29°796	0°65	...	...
...	18°173	-14°766	-4	...	...	...	18°982	+0°935	0°75	47° 9818	10°4	N	57°304	+6°380	-4	...	...
...	18°117	-34°370	-2	...	...	*	19°128	+47°657	1°70	46°10346	8°8	...	57°373	-47°715	-4	...	...
...	17°973	-26°909	0°65	47° 9807	10°4	...	21°810	+36°215	0°70	...	...	...	58°453	-28°003	-1	...	...
71	131																	
...	-16°225	-23°161	-4	...	...	*	+22°801	+28°610	1°10	46°10347	10°0	...					
*	15°970	+53°890	1°30	46°10329	9°6	S*	23°492	+23°357	2°20	46°10348	8°4	...						
...	15°936	+12°321	-5	...	...	...	23°684	-22°480	0°70	...	...	...			
...	15°896	-24°033	-2	...	...	...	23°938	-37°287	1°05	47° 9820	9°6	...					
...	15°360	+22°634	-3	...	...	...	25°293	-13°485	-5	...	...	...			
...	-13°918	+59°777	-5	...	...	...	+25°466	-43°969	0°70	...	...	...			
...	12°317	+5°852	-4	...	...	...	25°907	+25°615	0°80	46°10349	10°4	...					
*	12°176	+16°003	1°60	46°10330	8°8	...	27°166	+0°708	-2	...	...	...			
*	11°782	+40°027	0°95	46°10331	9°6	...	28°358	-39°630	-3	a	...	...				
...	11°195	-8°444	-4	...	...	*	28°651	-31°450	1°20	47° 9821	9°4	...					
81	141																	
...	-10°928	-29°764	-5	...	...	*	+30°876	+32°123	1°10	46°10351	9°6	...					
...	10°887	+42°017	0°85	46°10332	10°0	*	31°283	-8°333	1°25	47° 9822	9°6	...						
...	10°651	-29°804	-5	...	...	...	31°522	+24°948	0°70	46°10352	10°4	...					
S*	9°971	-26°037	1°40	47° 9808	8°8	...	31°757	+9°133	-4	...	...	...			
...	9°401	-7°598	0°65	47° 9809	10°4	...	32°109	+35°752	-3	...	...	...			
...	-9°270	-27°881	-5	...	...	...	+32°261	-10°425	0°70	47° 9823	10°4	...					
...	8°993	-38°959	-2	...	...	...	32°810	-16°798	0°85	47° 9824	10°0	...					
...	7°721	-45°091	-3	...	...	...	33°333	-10°661	-4	...	...	...			
...	7°159	-18°652	-3	...	...	...	33°391	-46°478	0°65	...	...	...			
...	5°988	-51°055	-5	...	...	*	33°577	-57°936	1°10	48°10695	9°8	...					

188. Partly obscured by fault.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1-60																	
I	-58.723	-3.948	0.65	o	...	...	-8.064	-35.375	-3	o	...	...	+34.758	-41.024	-5	o	...
...	56.840	-58.323	-3	...	...	...	7.587	-21.807	-4	...	...	...	35.975	+38.130	0.80	...	...
*	53.474	+10.095	1.00	...	...	*	7.058	+15.842	1.30	46.10363	9.4	...	36.490	+32.769	0.70	...	...
...	52.715	-55.810	-3	...	...	...	6.847	-21.474	-4	...	...	...	38.052	-38.173	-3	...	...
...	52.636	+26.594	1.00	...	...	...	6.531	+53.200	1.00	46.10364	9.8	...	38.544	+25.100	-5	...	...
*	-51.910	-13.395	1.05	...	...	...	-6.245	-2.844	-1	...	...	...	+38.596	-28.654	-2	...	...
S *	51.012	-6.931	1.90	47. 9828	8.4	...	5.360	-8.420	0.85	...	...	...	39.125	-14.263	-5	...	...
*	50.112	+21.268	1.20	46.10357	9.4	...	5.273	+3.282	-5	...	...	S *	39.164	+0.645	1.70	47. 9840	8.6
...	49.848	-27.093	1.00	...	...	...	4.508	+31.167	0.75	46.10365	9.8	*	40.397	+7.918	1.10	46.10372	9.6
...	49.401	-25.574	0.75	...	...	...	4.048	-45.958	-5	...	...	...	40.662	+8.367	-4	...	...
II	-47.391	-36.129	0.65	...	...	71	-3.612	+35.223	-4	...	...	131	* +40.755	-1.745	2.50	47. 9841	8.0
...	47.149	+32.329	0.65	...	...	...	2.686	-20.349	-3	...	...	*	41.862	-16.749	2.00	47. 9842	8.8
...	46.244	+29.971	0.65	...	...	S *	2.544	-55.793	1.70	48.10719	8.8	*	41.893	+53.222	1.15	46.10373	9.8
...	46.210	+1.536	-2	...	...	...	2.296	-28.890	-5	m	...	...	43.603	-4.013	-4	...	...
...	45.999	-29.560	-3	...	...	...	1.808	+23.996	-5	...	...	...	43.663	-4.945	-5	...	...
...	-45.219	+6.599	-5	...	...	...	-1.232	+38.346	-5	...	...	*	+44.698	+52.159	1.15	46.10374	9.8
*	45.159	-48.594	1.10	...	...	...	0.413	-28.360	0.80	...	...	...	46.173	+45.729	0.80	46.10375	9.8
...	43.451	-47.475	-4	...	...	...	0.181	+36.531	-3	...	...	...	46.356	-49.801	-5	...	...
...	42.985	-27.739	0.65	...	...	...	-0.057	+41.779	1.00	...	...	...	46.657	+8.954	-5	...	...
...	42.505	-6.019	-2	...	...	...	+ 4.010	-52.740	-1	...	...	...	47.005	+ 9.550	-5	...	...
21	-41.901	-26.181	-3	...	...	81	+ 6.458	+26.492	-5	...	...	141	+47.159	-48.269	-3	...	...
*	41.745	+24.342	1.20	46.10359	9.8	...	6.581	+23.677	0.80	...	...	*	47.316	-11.878	1.50	47. 9843	9.4
...	41.497	+11.232	-2	...	...	...	6.641	+44.899	0.65	...	...	...	47.886	-34.469	0.75	...	...
...	39.401	-32.607	-4	...	...	...	7.262	-2.696	-4	...	...	*	48.312	+40.897	2.00	46.10376	9.0
...	35.834	-42.608	0.80	...	...	...	7.947	+14.843	-1	...	...	*	49.690	+39.226	1.80	46.10377	9.2
...	-35.690	-42.591	0.70	47. 9829	9.8	...	+ 7.991	+28.664	0.75	...	...	...	+53.904	-7.463	-5	...	...
S *	35.400	+37.488	0.70	...	...	...	9.232	-26.269	-4	...	...	...	56.440	+56.839	0.85	...	...
...	34.296	+27.839	1.55	46.10360	9.2	*	9.816	-30.023	1.05	...	...	...	57.448	+ 6.789	0.70	...	...
...	34.046	+17.760	-2	...	...	...	10.940	-32.509	-5	...	...	S *	57.628	-44.459	1.70	47. 9844	9.0
...	33.872	-42.776	0.75	...	...	...	12.537	-57.448	-2	...	...	*	59.148	-10.475	0.95	47. 9845	9.8
31	S *	-33.488	-53.758	1.60	48.10707	8.8	91	+12.846	+35.537	-2	...	...	...	...	...	...	...
...	33.136	-24.541	0.65	...	...	...	13.159	-50.330	-2	...	...	...	...	...	...	...
*	31.113	-26.826	9.60	47. 9830	2.9	...	14.997	-56.691	0.70	...	...	...	...	...	...	...
*	30.178	-55.810	1.00	48.10709	9.8	*	15.762	-0.651	1.90	47. 9834	8.4	...	...	...	...	...
...	28.839	+22.091	-5	...	...	...	16.145	-52.568	-2	...	...	...	...	...	...	...
...	-28.716	+13.127	0.75	...	...	...	+16.989	-47.377	-5	...	...	...	...	...	...	...
...	28.665	+1.217	-4	...	...	...	17.364	-52.723	0.80	...	...	...	...	...	...	...
...	28.356	-25.015	-2	...	...	...	17.393	+26.943	-2	...	...	...	...	...	...	...
*	28.218	-58.596	1.20	48.10713	9.6	S *	20.417	-43.618	1.05	47. 9835	9.8	...	...	...	...	...
...	27.544	+ 6.925	-3	...	...	...	21.908	+ 6.109	-2	...	...	...	...	...	...	...
41	...	-27.200	+51.498	0.80	...	...	101	+22.578	-17.664	1.00	...	...	...	...	...	...
...	25.884	-33.114	-2	...	...	...	23.690	+41.182	0.80	...	...	...	...	...	...	...
...	25.370	+44.001	-4	...	...	...	24.546	-57.820	-5	...	...	...	...	...	...	...
...	23.379	+49.541	-4	...	...	...	25.275	+16.759	1.00	46.10367	9.8	...	...	...	...	...
...	22.598	+33.114	-2	...	...	...	S *	26.023	-14.369	2.35	47. 9836	7.7	...	...	...	...
...	-20.390	-15.137	0.90	47. 9831	9.8	*	+26.327	+41.339	1.05	46.10368	9.6	...	...	...	...	...
...	19.124	+18.272	-5	...	...	S *	27.877	+41.827	2.40	46.10369	7.5	...	...	...	...	...
...	18.494	+37.651	0.90	...	...	*	27.926	+35.540	2.00	46.10370	8.4	...	...	...	...	...
...	18.317	-3.152	-5	...	...	*	28.031	+29.139	1.10	46.10371	9.4	...	...	...	...	...
...	16.280	-18.647	-3	...	...	*	28.286	+44.280	1.05	...	...	...	...	...	...	...
51	*	-16.264	+51.354	1.80	46.10361	8.8	111	+29.029	+ 1.865	1.20	47. 9837	9.4	...	...	...	...	...
...	15.755	-25.529	0.90	...	...	...	31.312	-41.918	-1	...	...	...	...	...	...	...
...	15.686	-19.387	-4	...	...	...	31.704	+ 2.834	0.70	...	...	...	...	...	...	...
*	15.549	-31.602	-4	...	...	...	31.951	-37.330	-5	...	...	...	...	...	...	...
*	15.300	-42.674	1.15	47. 9832	9.8	*	32.389	+ 0.501	0.90	47. 9838	9.8	...	...	...	...	...
...	-14.255	-39.669	0.95	...	...	*	+32.464	-22.050	1.05	47. 9839	9.8	...	...	...	...	...
S *	13.487	+32.832	-5	...	...	...	32.967	+57.956	-5	...	...	...	...	...	...	...
...	12.727	+37.688	1.70	46.10362	8.8	...	33.693	-30.964	0.70	...	...	...	...	...	...	...
...	9.325	+52.948	-5	...	...	...	33.803	-39.218	0.70	...	...	...	...	...	...	...
*	8.630	-52.321	1.15	47. 9833	9.8	...	34.268	+46.599	-4	...	...	...	...	...	...	...

MB measured from 1, So.
ES 35.112.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
1-60																	
I *	-59° 916	-17° 042	1° 60	47° 9842	8·8	6 I	-4° 303	+10° 355	1° 15	46° 10389	9·8	I 2 I	+41° 982	-0° 452	2° 05	47° 9860	8·4
...	59° 299	+51° 926	1° 10	46.10374	9·8	...	4° 097	-13° 118	-3	...	...	...	42° 171	-12° 651	0° 80	...	...
...	58° 593	-4° 255	-3	...	...	S *	3° 450	-52° 379	1° 15	48.10741	9·4	...	43° 441	-5° 814	-3	...	...
†	58° 504	-5° 178	-4	...	...	...	3° 056	-10° 545	0° 70	...	...	...	45° 282	+12° 091	-5	...	...
...	57° 619	+45° 550	1° 00	46.10375	9·8	...	2° 943	-58° 647	1° 00	...	...	...	46° 187	+54° 839	0° 75	...	...
...	-55° 973	+8° 815	-5	...	...	...	-2° 666	-48° 315	0° 70	...	...	...	+48° 492	-38° 326	-4	...	...
...	55° 640	+9° 414	-5	...	...	*	-1° 067	-47° 895	1° 15	47° 9850	9·8	...	49° 377	+11° 829	1° 00	...	...
*	55° 312	+40° 790	1° 90	46.10376	9·0	...	+0° 689	+25° 409	-3	...	...	...	50° 018	-37° 507	1° 00	...	...
*	54° 636	-11° 997	1° 50	47° 9843	9·4	...	1° 149	+52° 264	-5	...	...	S *	51° 061	-46° 669	1° 75	47° 9861	8·6
...	54° 366	-49° 916	-5	...	...	...	2° 582	+46° 611	0° 95	46.10391	9·8	...	51° 520	+36° 289	-3	...	...
II *	-53° 883	+39° 145	1° 50	46.10377	9·2	7 I	+4° 096	+22° 663	1° 20	46.10392	9·4	...	+51° 612	+11° 950	0° 65	...	...
...	53° 622	-48° 374	-3	...	...	†	4° 791	+40° 845	0° 90	46.10393	9·8	...	52° 660	+30° 007	-3	...	...
...	53° 343	-34° 556	0° 70	...	...	...	5° 644	-44° 750	0° 70	...	...	...	52° 929	-11° 610	-3	...	...
...	48° 191	-7° 370	-5	...	...	...	5° 851	-55° 675	0° 80	48.10744	9·8	*	53° 983	+1° 755	1° 20	47° 9862	9·4
...	47° 718	+56° 978	0° 85	...	...	...	7° 180	+33° 871	-4	...	...	...	54° 013	-49° 611	-5	...	...
S *	-45° 119	+6° 986	-2	...	...	†	+7° 395	-30° 202	-3	...	...	*	+54° 122	-18° 763	0° 95	...	...
...	43° 268	-44° 227	1° 70	47° 9844	9·0	...	9° 929	-38° 949	-2	...	...	S *	54° 202	+0° 853	1° 10	47° 9863	9·4
†	42° 859	-10° 214	0° 95	47° 9845	9·8	...	12° 066	+55° 348	-5	...	...	...	54° 505	+20° 779	1° 20	46.10405	9·2
†	42° 155	+59° 605	1° 00	46.10378	9·8	†	13° 223	-10° 263	2° 00	47° 9851	8·3	...	54° 510	-18° 202	-3	...	...
*	39° 683	+16° 221	1° 25	46.10379	9·2	...	13° 370	+19° 524	-5	...	...	†	54° 748	+43° 868	-4	...	...
2 I	61-120																
...	-38° 416	+17° 109	-1	...	...	*	+16° 287	+36° 590	1° 60	46.10394	8·7	...	+56° 105	+25° 665	-4	...	...
*	37° 178	-12° 310	1° 30	47° 9846	9·4	...	16° 493	-36° 788	-5	...	...	...	58° 082	+6° 410	-3	...	...
...	36° 891	+0° 111	-4	...	...	*	16° 779	+32° 842	3° 90	46.10395	7·2	...	58° 726	-36° 231	0° 70	...	...
...	36° 073	-22° 418	-5	...	...	†	16° 987	+9° 697	1° 50	46.10396	8·6	†	59° 639	-16° 802	0° 70	...	...
...	34° 555	+7° 226	-3	...	...	†	17° 251	+19° 766	2° 50	46.10397	7·7	...	121-144				
...	-34° 251	-55° 799	0° 90	48.10732	9·8	S *	+20° 598	+34° 036	4° 90	46.10398	5·7	...	141				
...	33° 066	-50° 423	0° 80	...	...	...	21° 773	-23° 884	-2	...	...	...	141				
†	33° 032	+9° 710	1° 60	46.10380	8·7	...	22° 470	+45° 113	-4	...	...	...	141				
...	32° 442	+25° 164	0° 70	...	...	...	23° 115	-40° 509	-5	...	...	...	141				
...	31° 717	-53° 448	-5	...	...	*	23° 198	-8° 074	1° 80	47° 9852	8·5	...	141				
3 I	9 I																
S *	-31° 531	+12° 750	1° 90	46.10381	8·5	...	+23° 262	+45° 682	1° 00	...	...	...	141				
...	31° 175	+55° 776	0° 85	...	...	S *	23° 300	-10° 514	4° 40	47° 9853	6·5	...	141				
...	31° 126	+57° 191	0° 75	...	...	...	24° 972	-3° 692	-3	...	...	...	141				
*	29° 419	+48° 280	1° 10	46.10382	9·8	*	25° 255	+49° 686	1° 15	46.10400	9·6	...	141				
...	29° 370	-7° 442	0° 65	...	...	...	25° 384	+36° 199	-3	...	...	...	141				
...	-29° 219	-4° 252	-3	...	...	...	+25° 540	+12° 549	-5	...	...	...	141				
...	28° 945	+23° 712	-1	...	...	...	26° 317	-2° 404	-5	...	...	...	141				
*	28° 412	+33° 566	1° 00	46.10383	9·8	...	26° 986	-15° 696	-5	...	...	...	141				
...	28° 010	-52° 081	-5	...	...	...	27° 024	-57° 189	-5	...	...	...	141				
*	25° 542	+21° 693	2° 90	46.10384	7·2	...	27° 442	+50° 047	-3	...	...	...	141				
4 I	10 I																
...	-24° 814	+55° 726	-4	...	...	...	+30° 452	+2° 511	1° 00	47° 9854	9·8	...	141				
...	24° 645	+15° 829	0° 70	...	...	...	30° 680	-11° 097	-2	...	...	...	141				
S *	21° 994	+36° 945	1° 15	46.10386	9·4	...	30° 774	-6° 228	1° 00	47° 9855	9·8	...	141				
...	20° 821	-16° 630	-3	...	...	*	31° 050	+47° 517	1° 20	46.10401	9·0	...	141				
...	20° 384	-23° 589	-2	...	...	*	31° 539	-9° 149	1° 10	47° 9856	9·6	...	141				
S *	-18° 487	-11° 243	2° 90	47° 9847	7·0	*	+32° 326	+8° 594	1° 10	46.10402	9·8	...	141				
...	17° 088	-3° 090	-4	...	...	...	33° 599	-50° 363	-5	...	...	...	141				
*	16° 772	+43° 001	1° 05	46.10388	9·8	...	34° 301	+42° 525	-4	...	...	...	141				
*	16° 691	+10° 556	1° 10	46.10387	9·8	*	34° 389	+5° 618	1° 05	47° 9857	9·8	...	141				
...	13° 768	-45° 492	-4	...	...	...	34° 656	+44° 189	-4	...	...	...	141				
5 I	III																
...	-9° 368	-50° 477	-4	...	...	†	+34° 761	-26° 151	1° 50	47° 9858	9·0	...	141				
S *	9° 291	-33° 273	1° 15	47° 9848	9·8	...	34° 886	-16° 571	0° 65	...	...	...	141				
...	9° 117	+2° 215	1° 15	47° 9849	9·8	...	36° 098	+26° 403	-2	...	...	...	141				
...	9° 113	+10° 117	-2	...	...	...	36° 420	-57° 766	-3	...	...	...	141				
...	8° 140	-31° 183	-3	...	...	...	36° 567	-0° 193	-4	...	...	...		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.	
1-60						61-120						121-162						
I	-59·746	-12·931	0·70	0	...	61	-0·269	-48·701	1·70	47·9873	9·1	121	+36·368	-20·667	-3	0	...	
...	59·590	-26·700	0·90	47·9859	9·8	...	+0·328	-57·117	0·95	48·10763	10·4	...	36·395	-6·600	-3	...	...
...	58·691	-6·046	-3	...	...	...	0·488	-1·405	-5	...	...	...	36·497	-22·663	0·70	...	...
†	57·888	+54·651	-1	...	...	...	0·679	+29·942	-4	...	...	...	36·640	+29·822	-5	...	...
...	57·421	+11·906	-5	...	...	*	0·877	-40·510	1·80	47·9874	8·5	...	36·952	-23·907	-5	...	...
...	-53·316	+11·765	0·85	...	...	...	+0·935	-40·928	-3	...	...	...	+37·421	-36·508	0·95	...	...
...	52·602	-38·395	-5	...	...	...	1·210	-21·250	-2	...	...	...	37·472	-1·424	-5	...	...
...	51·953	+36·277	-3	...	...	S *	2·138	-42·872	-5	...	...	...	37·560	+31·423	1·00	...	...
...	51·106	+11·967	-2	...	...	...	3·168	+12·118	1·55	46·10413	9·0	...	37·754	+42·515	-5	...	...
*	51·101	-37·530	1·00	...	...	...	3·436	+50·834	-1	...	...	...	37·849	+39·703	-4	...	...
II	-50·638	+30·036	-4	71	+5·216	+23·242	-5	131	S *	+39·391	+41·692	2·90	46·10419	7·4
S *	49·759	-46·642	1·80	47·9861	8·6	*	5·358	+42·959	1·10	46·10414	9·8	...	41·284	+53·140	0·85	...	...
...	49·038	-11·547	-3	...	...	*	6·349	-40·765	1·30	47·9875	9·2	...	41·560	-14·433	-5	...	...
...	48·981	+43·948	-3	...	...	*	6·770	+38·007	1·20	46·10415	9·4	*	41·852	+32·241	1·00	...	...
...	48·759	-2·636	-5	...	...	...	7·091	-47·382	0·75	...	...	S *	41·954	-53·840	1·15	48·10779	10·0
S *	-48·494	+20·879	1·15	46·10405	9·2	*	+7·130	-28·655	-5	...	...	...	+42·627	+5·606	0·80	...	...
*	48·399	+1·841	1·20	47·9862	9·4	S *	7·695	-5·563	3·80	47·9876	7·3	...	44·011	-34·168	-5	...	...
*	48·153	+0·949	1·15	47·9863	9·4	*	7·816	+30·391	1·40	46·10416	9·1	...	44·088	-37·657	-5	...	...
...	47·616	-18·654	0·70	...	...	...	8·380	+46·820	-2	...	...	...	44·173	+37·400	-4	...	...
...	47·244	-18·077	-4	...	...	*	8·413	+10·907	1·30	...	...	...	45·083	-21·742	-2	...	...
21	-47·043	+25·812	-5	81	[+ 8·500	+10·896	1·20	46·10417	9·1	141	*	+45·765	+51·942	1·00	46·10420	9·6
...	46·726	-49·493	-5	...	...	...	10·437	-40·889	-3	...	...	...	46·334	-56·065	-5	...	...
S *	44·454	+6·630	-5	...	...	...	10·958	+19·478	-3	...	...	...	46·435	+33·831	0·85	...	...
...	44·169	+52·088	2·60	46·10406	7·6	...	11·356	+48·722	-2	...	...	...	46·782	+4·542	-5	m	...
...	43·388	+23·112	-5	...	...	...	11·814	+7·846	-3	...	...	...	51·379	-44·044	0·85	...	...
...	-42·444	-35·962	-3	...	...	...	+12·109	-51·649	-2	...	...	...	+51·814	+52·941	-2	...	...
...	42·215	+43·564	-4	...	...	...	12·813	-27·202	-3	...	...	...	52·192	-25·958	0·80	...	...
...	42·152	-16·540	0·70	...	...	...	15·495	+3·414	-3	...	...	...	53·203	+11·635	-2	...	...
S +	41·302	-32·297	1·00	47·9864	9·8	...	15·973	+25·495	-5	...	...	...	53·498	+45·621	1·10	...	...
...	40·015	-24·948	1·30	47·9865	9·0	...	16·356	+33·307	-5	...	...	...	54·007	+51·664	0·95	...	...
31	-36·733	-25·632	-4	...	...	91	+16·725	-38·753	-2	...	...	151	[+ 54·200	-57·006	0·85	48·10780	10·4
...	36·645	+14·117	-3	...	...	...	17·030	+0·442	-5	...	...	...	54·262	-41·432	-5	...	...
...	35·917	+25·289	-3	...	...	...	18·484	-20·653	0·90	47·9877	9·6	*	54·416	-10·097	1·10	47·9880	9·6
...	35·107	-19·087	0·85	...	...	...	18·685	-16·570	-4	...	...	...	54·469	-2·314	0·70	...	...
...	34·720	+56·875	-5	...	...	...	19·374	+12·215	-4	...	...	...	55·052	-25·514	-4	...	...
...	-33·934	+51·000	-4	...	...	...	+19·438	-1·043	-3	...	...	...	+55·278	+49·453	0·65	...	...
...	33·875	+17·032	-4	...	...	...	19·473	+8·444	-4	...	...	...	57·033	+55·115	-3	...	...
...	33·825	-41·999	-4	...	...	...	20·438	-39·573	-2	...	...	S *	57·549	+0·864	1·35	47·9881	9·0
...	33·267	-28·238	-3	...	...	*	22·467	-37·933	1·10	47·9878	9·5	...	58·105	+20·870	0·90	...	...
...	32·389	+49·583	-3	...	...	...	22·468	-39·891	-3	...	...	...	58·453	-58·437	1·25	48·10784	10·0
41	-32·318	+35·951	-4	...	...	101	+22·771	-8·516	-4	...	...	161	[+ 58·585	-41·426	0·65	...	...
*	30·463	-57·046	1·25	48·10755	9·8	...	23·382	-33·839	-4	...	...	*	58·692	+7·790	1·00	46·10421	9·6
*	29·203	-23·428	1·05	47·9866	9·8	...	24·566	+35·872	-5	...	...	...			
...	25·929	+23·399	-4	...	...	...	24·927	-23·208	-5	...	...	...			
...	22·318	-39·979	0·85	...	...	...	26·184	+19·946	-4	...	...	...			
*	-21·258	+55·292	1·70	46·10408	8·8	...	+27·765	-7·642	-3	...	...	...			
...	17·474	-13·618	-3	...	...	...	28·965	-58·877	-4	...	...	...			
...	15·393	-52·355	0·70	...	...	...	31·172	+30·412	0·95	...	...	...			
...	13·632	-11·490	1·00	...	...	...	31·896	-15·578	0·80	...	...	...			
S +	12·176	+24·790	2·80	46·10409	7·2	...	31·967	-3·175	-1	...	...	...			
51	-10·551	-5·951	-4	...	...	111	+32·232	+33·000	-2	...	...	...			
S +	10·065	-44·995	1·50	47·9867	8·8	...	33·690	-28·318	0·80	...	...	...			
*	9·500	-2·480	1·20	47·9868	9·0	...	34·333	+4·935	1·00	...	...	...			
...	7·889	+32·838	1·00	46·10411	9·8	...	34·524	-6·019	-1	...	...	...			
*	7·808	-10·746	1·40	47·9869	9·0	...	35·242	-33·830	0·95	...	...	...			
...	-5·911	+45·910	-4	...	...	...	+35·748	+3·482	0·65	...	...	...			
*	5·590	-8·352	1·30	47·9870	9·4	...	35·802	+35·583	0·90	...	...	...			
+	2·841	-15·119	1·10	47·9871	9·0	...	35·819	+49·830	0·95	...	...	...			
*	2·581	+1·786	1·15	47·9872	9·8	*	36·196	+3·413	1·30	47·9879	9·2	...						
...	2·105	+34·306	-3	...	...	...	36·245	-14·133	-4	...	...	...			

ES measured from 1, 62.
MB 43, 108.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		
1-60										61-120									
I	-59° 878	+ 5° 327	0° 75	°	-15° 977	-23° 700	0° 80	°	121	+	22° 123	-31° 789	-2	°	...
†	59° 343	+37° 141	-5	15° 592	-9° 186	-1	*	22° 124	+15° 580	1° 10	46.10432	9° 2	
S *	58° 645	-54° 114	1° 25	48.10779	10° 0	...	14° 503	+37° 701	0° 65	...	...	...	23° 563	-20° 372	-3	...	...
...	58° 220	+51° 738	1° 05	46.10420	9° 6	...	14° 140	+35° 559	0° 65	...	...	...	25° 055	+3° 939	-5	...	...
...	56° 965	+33° 648	0° 80	...	...	...	13° 712	+46° 782	-5	...	...	...	25° 228	-8° 614	-4	...	...
...	-56° 548	-21° 929	-4	...	...	...	-12° 963	-27° 793	0° 70	...	...	...	+25° 228	-59° 358	-5	...	...
...	54° 175	-56° 195	-5	...	...	...	12° 553	+28° 710	1° 25	46.10427	9° 1	...	25° 859	+52° 564	-3	...	...
...	53° 295	+38° 120	-4	...	...	S *	12° 003	-12° 316	2° 05	47. 9888	8° 3	...	31° 242	-11° 919	-3	...	...
...	52° 206	+52° 926	-1	...	...	...	10° 721	-38° 861	0° 95	47. 9889	9° 6	...	31° 940	-53° 212	-2	...	...
...	50° 293	+45° 650	0° 95	...	...	*	9° 523	+2° 373	1° 20	47. 9890	9° 1	...	32° 023	-16° 631	-2	...	...
II	71	131	+32° 206	+31° 505	-5	
...	-49° 988	+51° 704	0° 85	...	...	...	9° 179	+16° 372	-4	...	...	...	33° 733	+53° 746	1° 05	46.10434	9° 6
...	49° 539	-44° 009	0° 80	...	...	*	8° 358	-35° 184	1° 10	47. 9891	9° 2	...	33° 882	-18° 741	1° 05	47. 9897	9° 4
...	49° 516	+11° 688	-3	...	...	...	8° 010	+33° 712	0° 95	...	...	*	37° 103	+2° 099	1° 10	47. 9898	9° 4
...	49° 319	-25° 911	0° 80	...	...	...	7° 968	+46° 324	-4	...	...	...	43° 331	-30° 733	0° 95	...	...
...	48° 649	+49° 548	0° 70	7° 538	+54° 446	1° 00	S *	+44° 422	+53° 115	2° 00	46.10435	8° 2	
...	-47° 919	+35° 868	-4	-6° 533	-57° 919	-1	*	45° 250	+55° 404	2° 00	46.10436	8° 2	
...	47° 811	-2° 216	-2	...	...	...	5° 275	+36° 382	-5	...	...	...	45° 674	+39° 188	-2	...	...
*	47° 605	-9° 985	1° 15	47. 9880	9° 6	am*	4° 933	+0° 514	1° 10	47. 9892	9° 2	...	45° 842	+48° 261	1° 10	46.10437	9° 6		
...	47° 064	+55° 250	0° 75	...	...	...	4° 024	-22° 123	0° 75	...	...	...	46° 721	-9° 044	-4	...	...
...	46° 734	-41° 305	-4	...	...	...	4° 333	+18° 859	0° 70	...	...	...	...	...	...	...	...
21	81	141	
...	-46° 487	-25° 380	-4	...	...	...	-4° 261	+2° 614	-5	...	...	...	46° 858	+54° 047	1° 10	46.10438	9° 6
...	46° 319	-56° 873	0° 80	48.10780	10° 4	...	3° 006	+58° 811	0° 70	...	...	S *	48° 779	-4° 720	4° 45	47. 9899	7° 0
...	44° 892	+21° 068	0° 70	...	...	...	2° 357	-50° 850	0° 65	...	...	...	50° 236	-41° 156	-5	...	...
S *	44° 819	+ 1° 064	1° 28	47. 9881	9° 0	*	2° 194	-55° 352	1° 05	48.10795	10° 4	...	51° 297	-22° 663	0° 80	...	...
...	43° 900	+ 8° 020	0° 90	46.10421	9° 6	...	1° 797	+19° 673	1° 00	...	...	S *	51° 512	-44° 306	1° 80	47. 9900	8° 6
...	-42° 438	-41° 171	0° 70	...	...	...	-1° 348	+54° 784	1° 20	46.10428	9° 2	...	51° 625	+14° 449	-3	...	...
*	42° 016	-58° 173	1° 20	48.10784	10° 0	S *	0° 649	+58° 439	2° 40	46.10429	7° 9	...	51° 649	+36° 215	0° 80	...	...
...	41° 645	+ 2° 311	-5	...	...	...	-0° 052	-8° 165	0° 65	...	...	*	51° 917	+52° 397	1° 25	46.10439	9° 4
...	41° 271	-11° 834	-4	...	...	S *	+ 0° 179	+16° 609	1° 60	46.10430	8° 8	...	52° 148	-59° 644	1° 20	48.10808	9° 6
...	40° 423	-34° 807	-5	...	...	...	0° 548	-8° 004	0° 70	...	...	S *	52° 901	+ 6° 443	1° 80	47. 9901	8° 7
31	91	151	S *	+53° 574	+37° 473	2° 80	46.10440	7° 6
...	-39° 602	+39° 628	-5	...	...	...	+ 1° 579	-53° 247	0° 95	48.10797	10° 4	...	54° 266	+28° 679	0° 85	...	...
*	38° 229	+18° 429	-5	...	...	...	3° 194	+28° 220	-3	...	...	...	55° 594	+19° 646	0° 80	...	...
*	37° 420	+38° 788	1° 15	46.10424	9° 6	...	3° 406	-21° 019	-5	...	...	...	55° 663	+12° 362	1° 00	46.10442	9° 6
...	37° 218	-27° 334	-4	...	...	...	4° 296	+22° 750	-3	...	...	...	55° 968	+ 2° 704	-3	...	...
*	36° 306	+11° 057	1° 00	46.10425	9° 6	†	4° 874	-12° 823	-5	...	...	...	+56° 946	+33° 272	-3	...	...
...	-33° 832	+54° 128	-4	...	...	...	+ 5° 094	+48° 517	-1	...	...	...	57° 206	+ 9° 793	-1	...	...
...	30° 971	-21° 696	0° 65	...	...	...	5° 215	+57° 262	1° 00	46.10431	9° 6	...	57° 572	+ 5° 810	1° 20	47. 9902	9° 2
*	30° 636	-45° 284	1° 10	47. 9882	9° 6	...	6° 018	+32° 453	-2	...	...	...	57° 851	-17° 844	-1	...	...
...	29° 968	- 3° 812	0° 70	...	...	...	7° 908	-36° 980	-4	...	...	...	58° 060	+ 1° 399	-3	...	...
S *	29° 826	-13° 767	2° 80	47. 9883	7° 2	*	8° 277	-46° 617	1° 30	47. 9893	9° 1	...	...	...	...	...	...
41	101	161	
*	-29° 814	-11° 094	1° 05	47. 9884	9° 6	...	+ 8° 634	+38° 178	0° 90	...	...	...	+58° 242	+24° 429	-5	...	...
...	28° 979	+58° 680	-5	...	...	...	9° 808	-43° 924	-3	...	...	...	58° 587	+ 5° 260	0° 85	...	...
...	27° 026	+35° 200	0° 70	...	...	...	11° 531	+49° 859	-5	...	...	...	58° 661	-48° 875	-5	...	...
*	26° 366	-18° 385	1° 20	47. 9885	9° 1	...	12° 913	-31° 761	-4	...	...	N *	58° 913	-28° 498	4° 00	47. 9903	7° 1
...	24° 565	- 8° 063	-5	...	...	...	12° 995	+26° 851	-3	...	...	N *	59° 049	-28° 663	1° 00	46.10444	9° 6
...	-24° 391	-6° 733	0° 90	...	...	...	+13° 108	+43° 426	0° 90	...	...	...	+58° 998	-52° 963	1° 05	...	...
...	24° 333	+57° 966	0° 90	...	...	...	14° 038	-12° 724	0° 80	...	...	*	59° 057	+37° 351	1° 10	46.10444	9° 6
...	24° 230	+38° 828	0° 65	...	...	...	14° 285	+23° 004	0° 70	...	...	...	59° 467	-17° 298	-3	...	...
...	23° 519	-16° 126	0° 70	...	...	...	14° 646	+44° 881	0° 95	...	...	...	...	...	...	...	...
...	23° 205	- 9° 024	0° 90	...	...	*	14° 652	-55° 393	1° 10	48.10800	10° 4	...	...	...	...	...	...
51	...	...	...	...	...	III	...	...	...	...	...	...	...	...	...	...	...
...	-22° 838	+28° 310	-4	...	...	*	+16° 277	-44° 799	1° 35	47. 9894	8° 6	...	...	...	...	...	...
*	22° 712	-44° 601	1° 10	47. 9886	9° 5	...	16° 496	+ 6° 642	0° 75	...	...	...	...	...	...	...	...
*	22° 681	-26° 849	1° 20	47. 9887	9° 4	S *	16° 712	-43° 532	5° 50	47. 9895	6° 8	...	...	...	...	...	...
...	21° 795	+19° 244	0° 80	...	...	S *	17° 240	-24° 488	7° 00	47. 9896	5° 2	...	...	...	...	...	...
...	21° 728	- 2° 227	1° 00	...	...	...	18° 430	+ 1° 753	-2	...	...	...	...	...	...	...	...
...	-21° 452	-33° 167	0° 75	...	...	...	+19° 101	-34° 689	-4	...	...	...	...	...	...	...	...
...	21° 238	+37° 164	-2	...	...	...	19° 578	+27° 301	-4	...	...	...	...	...	...	...	...
...	20° 533	-41° 842	-3	...	...	...	21° 178	+44° 626	-2	...	...	...	...	...	...	...	...
...	20° 208	-40° 508	-4	...	...	...	21° 498	+58° 104	0° 90	...	...	...	...	...	...	...	...
...	16° 621	+ 8° 010	0° 80	...	...	...	22° 114	+23° 545	-5	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		
1-60																			
I	-59·594	+52·875	2·15	46.10435	8·2	61	-27·854	+37·825	0·70	°	...	...	+ 6·740	+ 3·929	0·90	°	...
S *	58·837	+55·201	2·10	46.10436	8·2	...	27·784	+45·704	0·80	...	...	...	6·797	+20·651	0·70	...	...
...	58·029	-30·972	1·00	...	...	...	27·622	-23·306	0·90	...	...	...	7·019	-28·138	-3	...	...
*	58·023	+48·074	1·20	46.10437	9·6	...	26·350	+32·247	-1	...	...	...	8·390	-39·544	-2	...	...
...	57·910	+38·999	-3	26·145	-16·666	-2	S *	10·156	-18·362	1·90	47. 9914	8·6	
...	57·203	+53·893	1·15	46.10438	9·6	†	-26·077	+24·876	0·75	...	...	...	+12·096	-28·688	0·75	...	...
...	55·328	-9·187	-4	...	...	...	25·047	-16·351	-4	...	...	...	* 12·553	+18·006	1·35	46.10452	9·1
...	54·208	+1·479	-5	...	...	‡	24·572	+24·897	1·10	46.10449	9·0	...	13·693	-35·570	0·70	...	...
SN*	53·358	-4·797	4·00	47. 9899	7·0	...	24·194	-28·937	0·65	...	...	...	14·058	-2·341	-4	a	...
*	52·077	+52·402	1·35	46.10439	9·4	...	23·702	+12·349	-1	S *	16·661	+28·678	2·70	46.10453	7·8	
II	-51·822	+36·227	0·70	...	...	71	-23·359	+41·753	-1	...	...	...	+16·936	+50·517	0·95	46.10454	9·6
...	51·172	+14·466	-3	...	...	*	22·823	-0·717	1·10	47. 9904	9·2	...	* 18·187	+35·279	1·10	46.10455	9·4
†	50·950	-49·889	-3	...	...	*	22·254	-43·937	1·10	47. 9905	9·4	...	18·541	-30·704	-3	...	...
...	50·776	-41·160	-4	...	...	S *	21·845	-19·568	1·45	47. 9906	8·8	...	* 19·090	+7·044	1·15	47. 9915	9·2
...	50·323	-22·659	0·70	...	...	...	21·785	-1·735	0·70	...	...	...	19·194	-27·517	-4	...	...
S *	-49·944	+37·533	2·65	46.10440	7·6	...	-21·121	+19·862	0·65	...	...	...	+19·292	+4·379	0·90	...	...
...	49·662	+41·349	-4	...	...	*	19·835	+2·425	1·30	47. 9907	9·0	...	19·409	-20·765	-4	...	...
S *	49·627	+6·491	1·75	47. 9901	8·7	...	19·386	+4·150	-3	...	...	...	† 19·645	-34·761	0·85	...	...
S *	49·400	-44·287	1·90	47. 9900	8·6	...	18·838	-21·037	-5	...	...	...	20·092	+41·825	-3	...	...
...	48·966	+28·762	0·80	...	...	...	17·036	+23·667	-2	...	...	...	21·124	+52·301	-5	...	...
21	*	-48·266	-59·592	1·35	48.10808	9·6	81	-17·004	-59·165	-3	+21·183	-41·241	-3	
...	47·359	+19·785	0·65	...	...	...	16·821	+10·892	-4	...	...	...	21·618	+39·068	1·00	46.10456	9·6
...	47·054	+12·497	0·90	46.10442	9·6	...	15·882	+14·285	0·80	...	...	...	22·316	-58·183	-4	...	...
...	46·444	+2·856	-2	...	...	...	15·046	-28·975	0·80	47. 9908	9·6	...	22·755	+5·796	0·80	...	...
...	46·442	+33·447	-2	...	...	...	14·320	+18·237	-5	...	...	...	23·633	+16·603	0·65	...	...
*	-45·427	+9·998	0·65	...	...	...	13·212	-15·393	-2	...	...	...	+23·875	-35·286	-3	...	...
*	44·943	+6·013	1·20	47. 9902	9·2	...	12·567	+54·952	-5	S *	25·410	+6·172	1·80	47. 9916	8·2	
...	44·871	+24·654	-3	...	...	...	12·371	+2·527	0·90	47. 9909	9·6	...	26·102	+29·599	1·05	46.10457	9·5
...	44·680	+11·640	-5	...	...	...	11·843	-23·000	-5	...	...	...	26·291	+42·272	-5	...	...
...	44·460	+37·586	0·95	46.10444	9·6	...	10·909	+11·631	0·80	...	...	...	26·465	-36·484	-4	...	...
31	...	-44·328	+1·613	-3	91	-10·830	-53·593	0·90	48.10824	10·4	...	+26·879	-52·253	-4	
...	43·917	+5·502	0·80	...	...	...	10·639	-46·496	-2	...	...	...	27·135	-44·006	0·85	...	...
...	43·915	-17·625	-2	...	...	...	10·543	-31·782	-2	...	...	...	* 30·422	+40·361	1·15	46.10458	9·2
...	43·465	+50·136	-2	...	...	†	10·390	+2·101	-3	...	...	...	31·104	+46·378	0·80	...	...
...	43·345	+51·961	-2	...	...	...	10·268	+42·354	-2	...	...	...	* 32·374	+18·843	1·20	46.10459	9·1
...	42·574	+35·964	-5	...	...	...	-10·179	+8·395	-4	...	...	...	+33·190	-0·223	0·85	...	...
N *	42·492	-28·249	3·70	...	...	...	9·525	+21·338	-5	...	...	...	33·229	-15·279	-5	...	...
N *	42·377	-28·376	1·20	47. 9903	7·1	...	9·396	-23·620	-4	...	...	...	34·089	-37·925	-5	...	...
...	42·351	+20·552	-2	...	...	...	9·055	-13·840	-2	...	...	...	34·264	+14·804	-5	...	...
...	42·306	-17·034	-4	...	...	*	9·040	+33·215	1·15	46.10450	9·4	...	34·886	+31·179	-2	...	...
41	...	-42·118	-48·625	-4	101	S *	-8·917	+43·133	1·35	46.10451	8·9	*	+35·619	+56·077	1·40	46.10460	9·2
*	41·727	+23·484	2·10	46.10445	8·1	...	S *	8·853	-41·353	-5	m	...	S *	35·688	+34·640	2·25	46.10461	7·	
...	41·648	-52·694	0·80	S *	8·545	-49·251	1·20	47. 9910	9·1	...	35·995	-18·894	-5	
...	41·357	-22·385	-4	...	...	...	7·080	+39·546	-5	...	...	...	36·195	+15·833	-3	...	...
...	40·805	+58·612	0·75	...	...	*	5·819	-23·205	1·35	47. 9911	9·1	...	36·482	-10·768	-3	...	...
...	-40·476	-5·469	-3	...	...	...	5·310	-42·276	-3	...	...	...	+37·123	+1·481	1·05	47. 9917	9·2
...	39·978	+31·824	-1	...	...	...	4·066	-5·700	0·80	...	...	...	* 39·172	-19·519	1·00	47. 9918	9·6
...	39·752	+30·310	0·75	...	...	...	3·629	+44·092	-4	...	...	...	* 39·816	-2·978	1·40	47. 9919	8·6
...	39·215	-51·049	0·80	...	...	...	3·083	+7·470	1·00	47. 9912	9·6	...	41·144	-1·265	0·70	...	...
*	38·402	+11·052	1·05	46.10446	9·4	...	2·936	-31·407	-5	...	...	...	41·245	-23·494	-5	...	...
51	*	-37·504	+38·338	1·00	46.10447	9·5	*	-1·583	-7·125	1·05	47. 9913	9·4	S *	+44·406	-12·902	2·65	47. 9920	7·9	
...	37·087	-59·544	0·70	...	...	...	1·195	+9·559	-3	...	...	...	46·688	-27·327	-3	...	...
*	36·092	+8·353	1·25	46.10448	9·2	...	-0·868	-48·085	-5	M	...	*	46·978	-19·686	1·05	47. 9921	9·6		
...	35·759	+55·095	-5	...	...	...	+ 1·352	-45·241	-4	...	...	*	47·678	-14·097	1·10	47. 9922	9·5
...	35·745	-7·817	0·65	...	...	...	2·886	+35·523	0·65	...	...	...	47·946	+17·533	-5	...	...
...	-35·510	-18·968	0·80	...	...	...	+ 4·356	+32·307	-5	...	...	S *	+48·168	+7·957	2·90	46.10462	7·3
...	33·907	-44·682	-2	...	...	...	4·495	-4·157	0·70	...	...	*	50·383	-22·229	1·10	47. 9923	9·6
...	31·208	-29·370	0·65	...	...	...	4·980	-26·326	-3	...	...	...	50·752	-5·631	0·80	...	...
...	31·082	-24·522	0·65	...	...	...	6·026	+9·736	0·80	...	...	...	51·070	+7·406	1·00	...	...
...	28·010	-16·156	0·85	...	...	...	6·495	-39·269	-1	...	...	...	51·614	-17·665	0·80	...	...

ES measured from
MB , , , 1, 77, 139.
 , , , 47, 114, 168.

9. Remeasure 1915. x = 53° 37' 1.915.
37, 38. 47° 136, two stars; 48° 137, mass.

- 47°

No. 137

CAPE ASTROGRAPHIC ZONE.

1903·77

22^h 45^m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	...	No.	Mag.
181-190																	
181	+51° 993	+31° 610	1° 15'	46.10464	9.2	191	* +57° 341	-55° 732	1° 60'	48.10838	9.8						
...	52° 567	+ 8° 998	0° 65'	...	...	...	58° 764	-42° 860	1° 05'	...	...				
...	53° 138	+10° 519	1° 00'	...	...	...	58° 908	+28° 654	-4	...	...				
...	53° 684	+24° 463	- 5	...	...										
...	53° 921	+43° 586	1° 00'	46.10465	9.6												
†	+54° 605	- 3° 328	- 3	...	...										
...	55° 739	+18° 998	- 3	...	...										
...	56° 353	+11° 587	0° 80	...	...										
...	56° 812	-54° 391	- 4	...	...										
*	56° 893	+ 2° 448	1° 15'	47. 9924	9.6												

- 47°

No. 138

D, -4.

1903·77

22^h 55^m

1-40					41-80					81-120 ¹						
I	-58° 163	-11° 177	- 4	°	...	...	-37° 943	+15° 477	0° 80	°	...	...	-16° 848	-44° 940	- 3	°
S *	57° 490	-13° 113	2° 40	47. 9920	7.9	...	37° 491	+ 0° 700	0° 90	47. 9926	9.6	...	16° 799	+53° 949	- 5	...
...	56° 173	-16° 697	- 5	A	...	*	37° 433	+58° 534	1° 10	46.10466	9.4	...	16° 527	-38° 738	- 5	...
...	54° 953	+17° 425	- 5	...	...	...	37° 315	+18° 273	0° 80	...	...	...	16° 017	+13° 996	- 5	...
...	54° 776	-27° 449	- 4	...	...	...	36° 001	+24° 754	- 1	...	...	...	16° 000	+12° 084	- 2	...
*	54° 722	-19° 810	1° 05	47. 9921	9.6	*	-34° 825	-44° 069	0° 95	...	...	...	-15° 258	+29° 094	- 5	...
S *	54° 404	+ 7° 857	2° 65	46.10462	7.3	...	34° 417	+ 1° 278	0° 80	...	...	...	14° 194	+19° 931	- 2	...
*	54° 211	-14° 210	1° 15	47. 9922	9.5	*	33° 993	+13° 975	1° 05	46.10467	9.4	...	12° 715	-56° 780	0° 70	...
...	51° 638	+42° 966	- 5	...	...	...	33° 658	+42° 848	- 2	...	...	...	12° 428	+31° 229	- 5	...
...	51° 489	+ 7° 408	0° 65	...	...	...	33° 127	+24° 689	- 2	...	...	...	11° 999	+52° 652	- 5	...
II	-51° 396	- 5° 645	- 2	...	...	51						91	-11° 668	+ 4° 578	- 2	...
*	51° 346	+31° 616	1° 25	46.10464	9.2	...	-32° 943	+ 1° 641	0° 70	...	...	...	11° 609	-35° 524	- 5	A
*	51° 239	-22° 246	1° 00	47. 9923	9.6	...	32° 787	+43° 896	0° 80	...	...	...	10° 179	-53° 426	0° 80	48.1Q841
†	50° 141	-17° 629	- 2	...	...	S *	31° 556	+17° 015	- 2	...	...	...	10° 173	-49° 384	- 5	...
...	50° 070	+ 9° 037	- 3	...	...	...	29° 974	+ 5° 899	0° 95	47. 9928	9.6	...	10° 023	+22° 005	- 3	...
...	-49° 813	+43° 649	1° 05	46.10465	9.6	*	-29° 093	-35° 784	1° 30	47. 9929	8.4	...	- 9° 349	+25° 686	- 5	...
...	49° 539	+10° 575	0° 65	...	...	...	28° 442	+11° 462	- 5	...	...	...	9° 043	-41° 812	- 4	...
...	49° 429	+24° 518	- 5	...	...	†	28° 331	+54° 892	0° 80	46.10468	9.6	...	8° 171	+40° 342	0° 65	...
...	47° 618	- 3° 211	- 3	...	...	...	27° 576	+31° 210	0° 70	...	...	...	7° 659	+14° 457	- 3	...
...	47° 205	+19° 125	- 3	...	...	S *	27° 435	+27° 086	2° 05	46.10469	8.0	S *	7° 450	- 1° 662	2° 75	47. 9931
21	-47° 082	+11° 844	- 5	...	...	61	-26° 416	+26° 574	1° 60	46.10470	8.7	101	- 6° 500	+15° 404	0° 80	...
...	46° 921	-51° 267	- 5	...	...	...	25° 638	+43° 520	0° 70	...	...	...	6° 156	- 2° 104	0° 90	...
...	46° 348	+11° 745	- 2	...	...	...	25° 395	+32° 289	1° 20	46.10471	9.0	...	4° 709	-57° 243	- 5	...
*	45° 520	+ 2° 626	1° 10	47. 9924	9.6	†	25° 202	-57° 819	- 2	...	...	...	3° 698	-47° 150	0° 75	...
...	45° 412	-59° 692	- 5	A	...	...	25° 003	-57° 528	- 1	...	...	...	3° 609	-26° 663	- 4	...
...	-44° 355	+28° 880	- 3	...	...	*	-24° 633	+58° 110	1° 10	46.10472	9.2	*	- 3° 500	+ 1° 799	1° 30	47. 9932
...	43° 764	-54° 173	- 4	...	...	...	23° 265	-46° 493	- 3	...	...	...	3° 160	+26° 965	- 2	...
*	43° 225	-55° 494	1° 20	48.10838	9.8	*	22° 944	+47° 167	1° 10	46.10473	9.2	...	1° 708	+14° 623	0° 70	...
...	42° 688	-16° 631	- 5	...	...	...	22° 659	+ 9° 772	0° 70	...	...	...	1° 233	-57° 324	- 4	...
...	42° 202	-42° 590	0° 85	...	...	*	22° 508	+56° 579	2° 50	46.10474	7.6	...	0° 274	-29° 833	1° 20	47. 9933
31	-42° 173	-13° 276	- 5	...	...	71	-22° 338	-18° 775	0° 80	...	...	...	+ 0° 909	+ 5° 742	- 3	...
...	41° 835	-21° 300	- 2	...	...	*	20° 735	-43° 283	1° 10	47. 9930	9.5	*	2° 903	+12° 004	1° 20	46.10477
...	40° 867	-50° 141	0° 80	...	...	†	20° 169	+49° 885	- 3	...	...	S *	3° 402	-24° 763	1° 80	47. 9934
...	39° 968	-25° 298	0° 90	47. 9925	9.6	...	19° 850	-37° 963	- 5	...	...	...	3° 948	+55° 840	0° 65	...
...	39° 596	+ 7° 014	- 4	...	...	...	19° 545	-30° 602	0° 65	...	...	...	4° 090	+28° 492	0° 80	46.10479
...	-39° 540	- 0° 334	0° 70	...	...	...	-18° 815	- 1° 161	- 5	...	...	*	+ 5° 921	-10° 264	1° 50	47. 9935
...	38° 717	-11° 313	0° 85	...	...	...	18° 626	+26° 041	0° 80	46.10475	9.6	...	5° 924	- 4° 862	- 4	M
...	38° 716	+33° 671	0° 70	...	...	...	17° 379	-17° 275	- 3	...	...	...	7° 002	-53° 526	- 3	...
...	38° 713	+ 5° 139	- 5	...	...	...	17° 357	+15° 963	- 4	...	...	...	9° 841	+ 2° 485	0° 85	...
...	38° 563	+36° 183	- 1	...	...	...	16° 965	- 6° 873	- 4	...	...	*	9° 888	+38° 439	1° 10	46.10480

ES measured from I, 73, 133.
MB " " 34, 110, 164.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.	Mag.		
121-150																			
I 21	+10·156	+3·065	-5	o	...	...	151	+29·500	-14·401	1·25	47· 9939	9·2	181	+50·862	+43·842	1·50	46·10493	8·8
...	10·664	+27·210	0·85	...	...	...	...	30·207	+16·161	0·70	...	...	...	51·116	+36·885	-2	...	...
...	13·637	-6·832	0·95	...	...	...	...	31·397	+9·936	-5	...	...	...	52·028	-23·920	-2	...	...
*	13·783	-14·342	1·90	47· 9936	8·2	...	*	31·481	-26·721	1·00	47· 9940	9·6	...	52·247	-45·439	-3	...	...
...	14·007	+15·316	0·90	...	...	...	*	31·643	+48·842	1·15	46·10485	9·6	S *	52·347	-51·100	1·15	47· 9941	9·5
...	+14·040	+8·135	-5	...	...	...	...	+33·163	+29·574	-5	...	...	...	+52·419	-19·897	-5	...	...
...	15·310	-58·345	-5	...	...	...	S *	33·580	+17·439	2·20	46·10486	7·4	...	52·966	-9·845	-2	...	...
...	15·790	-40·312	0·85	...	...	...	...	33·934	+47·165	0·95	46·10487	9·6	S *	53·954	+33·478	2·00	46·10494	8·4
...	16·855	+35·092	-5	a	...	...	*	34·968	+27·560	2·60	46·10489	7·6	...	54·120	-24·525	-3	...	...
*	17·138	+56·977	1·15	46·10481	9·4	...	*	36·250	+31·124	1·15	45·10490	9·3	...	54·331	+7·689	-5	...	...
I 31	+18·510	+22·582	1·40	46·10482	8·8	...	161	+37·208	-47·577	0·80	...	...	...	+54·470	-3·879	0·75	...	...
...	18·903	-28·015	-5	...	...	...	...	37·492	+26·897	0·75	...	...	...	54·888	+21·278	0·95	46·10495	9·6
...	20·062	+39·808	-2	...	...	...	...	39·368	-7·347	-4	...	...	...	56·385	-3·883	1·15	47· 9942	9·0
...	20·155	-35·708	-5	b	...	...	...	39·682	-5·752	-4	...	...	...	56·587	+23·335	-3	...	...
...	20·410	-39·117	-5	...	...	...	...	40·899	-59·603	0·95	...	...	...	57·691	+31·468	0·80	...	...
...	+20·527	+1·976	0·85	...	...	...	...	+40·975	+4·357	-2	...	...	...	+57·705	+24·864	-2	...	...
...	20·610	+19·440	-5	...	...	...	...	41·810	+56·615	-2	...	...	...	59·463	-50·601	1·00	47· 9943	9·6
...	21·350	-13·216	-5	a	...	...	...	42·345	+4·593	-1	...	...	...			
...	21·493	+56·853	-5	...	...	...	...	43·128	-48·765	0·65	...	...	...			
...	22·110	+36·964	-2	...	...	...	...	43·310	-4·308	-3	...	...	...			
I 41	+24·500	-47·560	2·30	47· 9937	7·0	...	171	+43·504	+57·009	0·80	46·10491	9·6							
...	25·012	+10·590	-4	*	44·615	+22·026	1·10	46·10492	9·0							
...	25·510	-36·844	-5	45·038	+31·855	0·75							
...	26·060	-58·596	-5	45·722	-20·112	-5							
...	26·750	-40·086	-4	45·785	-18·967	-4							
*	+27·086	-22·772	1·00	47· 9938	9·6	+46·632	-44·611	0·75							
...	27·103	-6·466	-5	46·769	-51·419	-3							
...	29·065	+46·166	-3	48·572	+24·530	-5							
*	29·120	+54·076	1·25	46·10483	9·4	49·563	+26·873	-5							
*	29·269	+47·795	1·15	46·10484	9·4	49·785	-3·366	-4							

1-20					21-40					41-60									
I	-60·120	+4·303	-2	o	...	...	21	-48·628	-45·378	-4	...	...	41	-37·215	-57·275	-4	...	...
...	59·525	-59·903	1·05	...	...	...	S *	48·345	-51·042	1·20	47· 9941	9·5	*	36·769	+46·324	1·25	46·10497	9·4
...	58·878	-4·560	-3	...	...	...	...	48·239	+7·778	-4	...	...	...	36·321	+56·135	-4	...	...
*	58·400	+21·791	1·30	46·10492	9·0	...	...	48·113	+21·389	0·95	46·10495	9·6	...	36·230	+1·943	-5	...	...
...	58·298	+31·634	0·80	...	...	...	...	47·729	-3·772	0·70	...	...	...	36·219	-52·870	-3	...	...
...	-57·638	-49·010	-3	...	...	...	...	-47·429	-24·423	-4	...	...	...	-36·068	+36·856	2·40	46·10498	8·0
...	55·949	-20·278	-5	...	...	...	...	46·473	+23·491	-3	...	...	...	34·801	+7·734	0·80	...	...
...	55·939	-19·134	-5	...	...	...	S *	45·802	-3·717	1·10	47· 9942	9·0	...	34·265	+31·502	-5	...	...
...	54·526	+24·418	-4	...	...	...	...	45·642	+31·667	0·70	...	...	*	34·060	+57·862	1·80	46·10499	8·8
...	54·268	-44·734	0·65	...	...	...	...	45·411	-25·057	-1	...	...	...	33·816	-58·624	-4	...	...
II	-53·913	-51·535	-4	31	*	-44·596	+57·574	1·25	46·10496	9·6	51	-32·819	-24·210	-2
...	53·598	+26·808	-5	...	...	...	...	42·918	-53·734	-5	...	...	...	30·097	+29·703	-1	...	...
*	52·850	+43·811	1·70	46·10493	8·8	...	...	42·776	+41·776	0·85	...	...	...	29·216	-43·474	-4	...	...
...	52·428	-3·408	-5	...	...	...	...	42·700	-30·565	-5	...	...	...	29·205	-56·842	-5	B	...
...	52·382	+36·851	-2	...	...	...	...	41·235	-50·305	0·95	47· 9943	9·5	...	28·026	-27·226	-3	...	...
...	-49·541	-23·880	-2	...	...	...	†	-41·093	+44·680	0·75	...	...	...	-27·018	-23·625	-4	...	...
S *	49·432	+33·539	1·90	46·10494	8·4	...	...	38·459	-41·515	-4	...	...	...	25·237	+38·309	-4	...	...
...	49·277	-19·850	-5	...	...	...	...	37·966	+35·019	-3	...	...	...	24·586	-31·428	-5	...	...
...	49·046	-9·794	0·70	...	...	...	...	37·677	+40·098	-4	...	...	...	24·312	+46·866	-1	...	...
...	48·927	+35·528	-5	A	...	...	...	37·410	-5·643	-2	...	...	...	23·558	-51·623	0·90	47· 9944	9·6

ES measured from 1, 104.

MC " " 52, 151.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-5.	No.		x.	y.		-5.	No.		x.	y.	-5.	No.	Mag.			
61-120																				
61	-22.218	-16.587	0.85	0	...	...	121	+ 9.585	+37.512	1.70	46.10506	8.2	181	+47.413	-54.086	-5	0	a	...
...	22.116	+ 4.587	-4	...	...	...	...	10.767	+50.215	0.65	...	...	...	47.567	+42.016	-5	...	...	...
...	21.932	+35.739	-2	...	...	...	*	11.315	+33.174	1.50	46.10507	8.9	*	48.068	-36.804	1.25	47.9962	9.0	...
...	21.550	+21.697	-1	...	...	...	*	11.794	+33.456	-5	...	...	...	48.455	-40.881	-4	...	...	...
...	21.115	-54.578	0.85	...	...	...	*	12.165	-45.681	1.15	47.9953	9.4	...	50.085	+4.336	-3	...	...	...
*	-20.995	-35.151	1.10	47.9945	9.3	...	*	+14.011	-43.253	-5	...	...	...	+50.246	+40.273	0.80	...	...	...
...	20.764	-32.756	-4	...	...	...	*	15.188	-18.694	-3	...	...	...	50.838	-0.831	-2	...	...	...
...	19.698	+20.840	0.75	...	...	...	*	15.562	-54.906	-5	...	...	...	50.964	-8.546	1.00	47.9963	9.2	...
...	19.261	+30.002	-4	...	...	...	*	16.089	+23.210	0.90	...	...	...	51.566	-17.206	-2	...	...	...
...	18.577	-24.492	-3	...	...	...	*	17.430	+28.219	-4	...	...	...	52.120	+56.634	-2	...	...	...
71	-18.281	-48.724	-3	...	...	...	131	+17.813	+2.256	-5	...	...	...	+52.343	+20.981	-4	...	...	...
...	18.196	-44.560	-4	...	...	...	*	18.004	+8.540	0.80	46.10508	9.6	...	52.589	+52.018	-5	...	...	...
...	17.590	+54.034	-1	...	...	...	*	19.348	-40.229	-4	...	...	...	52.723	+49.518	-5	...	...	...
...	17.517	-22.396	-5	...	...	...	*	19.568	+0.708	1.20	47.9954	9.4	...	53.180	-19.450	0.80	...	...	...
S*	-16.616	+56.769	2.60	46.10500	7.8	...	*	20.194	-36.649	-5	...	...	...	53.946	-0.458	-3	e	...	...
...	16.580	+15.158	-2	...	...	...	*	22.136	+59.208	1.90	46.10510	8.6	...	54.252	+40.607	0.85	...	...	...
S*	16.323	+4.429	-5	...	...	...	*	22.571	+37.555	-3	...	...	...	54.488	-46.780	-4	...	...	...
S*	16.302	-16.098	1.30	47.9946	9.0	...	*	22.907	+6.111	0.80	...	...	...	54.780	+48.284	-2	...	...	...
...	16.070	-1.750	-1	...	...	...	S*	23.077	+24.428	1.08	46.10511	9.2	...	54.973	-25.842	0.85	...	...	...
81	-16.036	-34.252	0.70	...	...	...	141	+24.003	-26.981	1.60	47.9955	8.8	...	+55.506	-35.796	-1	...	...	...
...	15.982	+50.633	-5	...	...	...	*	25.143	+38.655	-5	...	...	...	55.715	+13.418	-3	...	...	...
...	15.686	-56.580	0.80	...	...	...	*	25.444	+41.818	-2	...	...	...	56.061	-19.252	-3	...	...	...
...	15.643	+40.729	0.80	...	...	...	*	25.469	+57.200	1.20	...	...	...	56.910	-55.880	-2	...	...	...
...	15.472	-8.476	-2	...	...	...	*	25.708	+7.048	1.10	47.9956	9.5	*	57.075	+0.758	1.00	47.9964	9.0	...
...	15.140	+23.528	-1	*	25.967	+26.277	-5	S*	+57.078	-9.898	1.70	47.9965	8.4	...
...	14.519	-39.653	0.85	*	26.926	+10.581	-5	*	57.355	+32.628	1.00	46.10514	9.6	...
...	14.478	-34.040	0.75	*	28.395	-55.102	-3	*	57.366	-6.711	-3
...	14.054	-44.194	-1	*	28.534	+24.703	0.65	*	57.508	+0.552	-4
...	11.583	+55.020	-3	...	...	...	*	29.507	-20.989	1.25	47.9957	9.0	S*	57.827	+24.209	1.70	46.10515	8.4	...
91	-10.630	-5.198	0.70	...	...	...	151	+29.916	-58.731	1.00	48.10865	10.0	...	+58.105	-18.347	-4	b	...	...
...	10.372	-22.107	-5	...	...	...	*	30.193	+48.526	1.70	46.10512	8.4	...	58.629	-57.700	-1	...	...	...
...	10.143	-3.931	0.95	47.9947	9.6	...	*	30.290	+42.976	0.65	...	...	...	...	...	...	...	...	...
*	9.891	-34.655	1.70	47.9948	8.2	...	*	30.501	-40.643	-4	a	...	...	...	...	...	...	...	...
...	9.838	+22.502	0.65	...	...	...	*	30.708	-26.150	-1	...	...	...	...	...	...	...	...	...
...	9.215	+37.044	0.80	...	...	...	*	31.019	-59.163	-3	...	...	...	...	...	...	...	...	...
...	8.122	-36.335	0.65	...	...	...	*	31.101	-23.532	-4	a	...	...	...	...	...	...	...	...
...	6.081	+39.880	-3	...	...	...	S*	32.135	-44.454	2.20	47.9958	7.8	...	...	...	...	...	...	...
...	5.139	+49.581	-3	...	...	...	*	32.181	+9.227	0.70	...	...	...	...	...	...	...	...	...
...	3.738	-8.261	-1	...	...	...	*	32.816	+6.955	1.00	47.9959	9.3	...	...	...	...	...	...	...
101	-3.083	-25.528	1.20	47.9949	9.0	...	161	+33.405	+2.620	0.80	47.9960	9.6	...	...	...	...	...	...	...
N*	2.234	+7.211	-2	...	...	...	*	36.214	-21.799	-2	a	...	...	...	...	...	...	...	...
...	1.923	-2.362	0.90	47.9950	9.6	...	*	36.320	+10.670	-3	...	...	...	...	...	...	...	...	...
+	0.017	-26.567	0.70	...	...	...	*	38.065	-26.752	-1	...	...	...	...	...	...	...	...	...
S*	0.827	-5.436	0.75	...	...	...	*	38.279	+0.052	0.75	...	...	...	...	...	...	...	...	...
+	1.026	-39.906	1.08	47.9951	9.2	...	*	38.281	-23.630	-5	a	...	...	...	...	...	...	...	...
...	1.565	-5.788	-5	M	...	...	*	38.667	+30.452	-5	...	...	...	...	...	...	...	...	...
...	1.945	+42.664	-4	...	...	...	*	39.280	+56.006	0.90	...	...	...	...	...	...	...	...	...
...	2.307	+29.896	-3	...	...	...	*	40.914	-8.957	-1	...	...	...	...	...	...	...	...	...
...	2.662	+11.903	-3	...	...	...	*	40.965	+24.955	0.80	46.10513	9.6	...	...	...	...	...	...	...
...	+ 2.668	+58.631	0.75	...	...	...	171	+41.409	+16.266	0.80	...	...	...	...	...	...	...	...	...
*	3.303	+47.704	1.30	46.10503	9.0	...	*	41.472	-51.575	-4	...	...	...	...	...	...	...	...	...
*	3.661	-38.289	1.15	47.9952	9.4	...	*	42.014	-58.358	-5	a	...	...	...	...	...	...	...	...
...	3.958	-58.280	-5	m	...	...	*	42.254	+26.248	-5	...	...	...	...	...	...	...	...	...
...	6.104	-32.466	-4	...	...	...	*	43.465	-59.213	-1	...	...	...	...	...	...	...	...	...
...	+ 6.233	-56.766	0.65	...	...	...	*	43.794	-48.856	-1	...	...	...	...	...	...	...	...	...
*	6.316	+41.139	1.20	46.10504	9.2	...	*	43.981	+43.571	0.70	...	...	...	...	...	...	...	...	...
...	7.174	+ 4.571	-3	...	...	...	*	44.804	-59.369	1.20	48.10868	9.4	...	...	...	...	...	...	...
...	7.233	+27.203	-2	...	...	...	*	44.856	-27.937	1.50	47.9961	8.8	...	...	...	...	...	...	...
S*	7.619	+49.926	1.70	46.10505	8.4	...	*	45.248	-29.360	0.80	...	...	...	...	...	...	...	...	...

101. Mass. 48°. 139, two stars; 48°. 140, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.		x.	y.	-5.	No.	Mag.
	1-60						61 120						121 180				
I	-59.744	+43.323	-3	o	...	61	-16.738	+54.262	0.75	o	...	121	+23.072	-38.684	-4	o	...
...	56.970	-49.067	-3	...	...	...	15.436	-40.828	0.80	...	...	...	23.405	+39.807	0.80	...	...
...	56.958	-59.435	-1	...	...	...	14.468	+4.368	0.70	...	...	...	23.786	+54.205	0.90	...	...
*	56.564	-28.116	1.70	47. 9961	8.8	*	12.933	+19.386	1.00	46.10526	9.6	...	24.251	+44.729	0.90	...	...
...	56.149	-29.542	0.80	...	...	...	12.736	-11.942	0.85	...	...	*	24.322	+28.609	1.10	46.10531	9.4
*	-55.611	-59.540	1.50	48.10868	9.4	...	-12.634	+19.569	1.00	46.10527	9.6	†	+24.602	-50.500	0.80	...	...
...	53.366	+40.227	0.75	...	...	...	12.525	-59.662	1.00	...	...	...	24.939	-7.743	-3	...	...
*	53.078	-36.882	1.60	47. 9962	9.0	...	12.327	-42.655	0.95	...	...	...	25.900	-55.154	0.70	...	...
...	52.573	-40.944	-5	...	...	*	12.129	-46.589	1.10	47. 9969	9.3	...	26.473	-15.125	0.80	...	...
...	52.380	+4.299	-5	...	...	S*	11.944	-18.899	1.25	47. 9970	9.0	†	26.653	-29.918	-2	...	...
II	-52.014	+56.649	-4	...	...	*	-11.412	+27.557	1.10	46.10528	9.4	...	+27.150	+50.321	-5	...	...
...	51.460	-0.837	-3	...	...	*	10.563	-32.617	1.00	47. 9971	9.6	S†	27.311	-4.953	1.40	47. 9983	8.7
*	51.087	-8.543	1.15	47. 9963	9.2	S*	8.789	+7.838	2.25	47. 9972	8.0	...	27.564	+1.589	0.95	...	...
...	50.654	+21.014	-5	...	...	*	6.546	-42.619	1.20	47. 9973	8.9	...	27.738	-10.053	-3	...	...
†	50.195	-17.180	-4	...	...	...	6.150	+17.787	-4	...	...	S*	28.214	+49.716	1.15	46.10532	9.5
...	-49.367	+40.681	0.75	...	...	-	4.394	+26.758	0.70	...	...	+	28.975	-29.879	1.40	47. 9984	9.0
†	49.145	+24.795	0.70	...	...	...	3.432	-55.989	-3	...	...	S†	29.552	+24.373	0.95	46.10533	9.6
...	49.093	+48.378	-3	...	...	...	1.980	-1.621	-2	...	...	...	30.054	+36.260	0.85	...	...
...	48.535	-19.371	0.75	...	...	...	1.561	+58.014	1.05	...	...	...	30.746	-3.550	0.90	...	...
...	48.376	-0.363	-5	E	...	...	-0.932	+32.896	0.80	...	...	*	31.485	-8.242	1.10	47. 9985	9.6
III	-46.517	-25.708	0.80	...	...	...	+ 0.754	-35.968	0.95	47. 9974	9.6	...	+31.660	+10.666	-4	...	...
...	46.353	-46.650	-5	...	...	...	0.776	+41.088	0.80	...	...	...	31.954	+11.826	-4	...	...
...	46.019	+32.809	1.00	46.10514	9.6	*	1.104	+43.515	1.00	46.10529	9.6	...	33.332	-22.989	1.00	47. 9986	9.6
...	45.665	-35.647	-2	...	...	...	2.399	-30.833	-4	...	...	...	33.475	+57.796	1.05	...	...
...	45.662	-19.088	-4	...	...	*	2.481	-2.798	1.60	47. 9975	8.8	...	33.515	+22.451	-5	...	...
+	-45.289	+0.955	1.30	47. 9964	9.0	+	2.953	+20.669	0.80	...	...	...	+33.555	-24.690	0.80	...	...
S†	45.264	+24.410	1.50	46.10515	8.4	...	3.690	+12.651	-3	...	...	†	34.471	+25.394	-4	...	...
S*	44.931	-9.707	1.55	47. 9965	8.4	...	4.130	-2.322	0.95	...	...	...	36.170	-57.375	-5	...	...
...	44.850	+0.763	-5	...	...	...	4.803	-35.170	-2	...	...	...	36.590	-7.554	-1	...	...
...	44.756	-6.498	-4	...	...	S*	5.928	+20.375	1.15	46.10530	9.2	...	37.131	+0.595	-1	...	...
IV	-43.626	-55.662	-1	...	...	91	+ 6.046	+51.147	-5	...	...	...	+37.699	+47.882	1.10	...	...
*	43.543	+48.669	1.05	46.10517	9.5	*	7.002	-24.064	1.25	47. 9976	9.2	...	37.972	+58.505	1.05	46.10535	9.6
*	43.382	+34.513	1.80	46.10516	8.4	...	7.800	+50.619	-2	...	...	...	38.622	-30.810	-1	...	...
...	41.842	-57.420	-1	...	...	...	7.814	+33.946	-3	...	...	†	39.361	+39.894	-5	...	...
...	39.301	+48.130	-5	...	...	...	8.077	-33.677	-4	...	...	...	39.795	+45.372	1.00	...	...
S*	-38.478	-36.739	-2	...	...	...	+ 8.676	+29.104	-3	...	...	...	+41.562	-37.785	-1	...	...
...	37.374	-45.221	1.70	47. 9966	8.4	...	11.035	+30.142	-2	...	...	...	41.865	-54.238	-5	...	...
...	37.189	+6.029	-5	...	...	...	11.231	-42.909	0.70	...	...	...	43.538	+25.528	-5	...	...
...	36.788	+52.383	-3	...	...	*	13.217	-27.621	1.05	47. 9977	9.5	...	44.443	-53.889	-4	...	...
S*	35.928	+46.746	1.70	46.10520	8.6	...	14.094	+20.998	0.65	...	...	...	46.839	-27.793	-5	...	...
V	-34.860	+34.964	-3	...	...	101	+ 14.354	+50.535	-4	...	...	...	+47.332	-59.516	-5	...	...
...	34.774	-51.684	0.95	47. 9967	9.6	S*	15.049	-25.966	2.30	47. 9978	7.8	S*	47.827	-33.171	1.05	47. 9987	9.6
...	33.045	+34.394	0.65	...	...	*	15.864	-29.358	1.15	47. 9979	9.4	*	48.656	-23.281	1.15	47. 9988	9.4
*	31.740	-27.628	1.15	47. 9968	9.3	...	16.975	+28.119	-3	...	...	*	50.454	+7.606	1.05	47. 9989	9.6
...	31.412	-33.295	-2	...	...	...	17.405	-29.606	-3	...	...	...	50.877	+35.910	-2	...	...
...	-30.609	-37.720	-5	...	...	...	+17.913	-37.199	0.65	...	...	...	+51.435	+19.506	1.00	...	...
...	29.708	+55.204	-4	...	...	...	18.225	+21.426	-2	...	...	...	51.762	+23.838	-5	...	...
...	28.611	+23.531	1.00	46.10521	9.6	...	18.330	+45.294	-5	...	...	*	51.953	+21.247	1.25	46.10537	9.2
...	28.485	+57.069	-4	...	...	*	19.083	-8.359	1.60	47. 9980	8.8	...	52.872	+32.733	-1	...	...
...	26.220	-13.489	-3	...	...	...	19.405	-8.907	-4	...	...	...	53.014	-6.941	0.85	...	...
VI	-26.019	+26.744	1.05	46.10522	9.6	...	+19.589	+54.344	-4	...	...	...	+53.337	+50.078	-4	...	...
...	24.770	-41.761	0.95	...	...	...	19.710	+17.179	-5	...	...	...	54.165	+40.55	1.00	...	...
*	23.326	+52.018	1.15	46.10523	9.2	...	19.857	-30.820	-5	...	...	...	54.918	+42.017	1.05	...	...
...	19.855	+27.775	0.65	...	...	...	20.574	+27.277	-1	...	...	...	55.863	+26.209	0.80	...	...
...	19.019	+44.705	0.70	...	...	...	21.098	+13.635	-4	...	...	...	56.333	-1.707	0.85	...	...
*	-18.353	-58.949	4.00	48.10871	6.5	*	+21.375	-10.317	1.20	47. 9981	9.4	*	+57.695	-28.000	1.10	47. 9990	9.9
...	17.543	+49.939	-4	...	...	...	21.388	-33.034	0.70	...	...	...	58.289	-42.203	-5	...	...
*	17.205	+17.395	1.70	46.10524	8.7	...	21.505	-33.206	-4	...	...	*	59.127	-29.520	1.15	47. 9992	9.4
...	17.024	-32.296	-4	...	...	...	22.760	-14.503	-5	...	...	...	59.242	-6.088	-5	...	...
*	16.869	+51.344	1.10	46.10525	9.4	...	22.804	+7.319	1.00	47. 9982	9.6	e	59.366	-0.471	1.05	47. 9991	9.9

ES measured from 1, 81.
MB .. " .. 47. 137.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.	Mag.	
1-60																		
I	-59·594	+25·267	-5	o	...	...	61	-17·894	-45·453	0·80	o	...	121	+30·333	-16·927	-3	o	...
...	59·559	-38·069	-4	...	...	...	...	17·841	+55·018	-4	...	...	...	31·521	-14·846	0·85	...	...
...	56·174	-54·068	-4	...	...	...	...	17·141	+28·362	-1	...	...	...	32·233	-43·678	-3	...	...
...	55·003	-34·489	-5	M	...	...	...	15·403	-40·465	0·90	...	...	...	33·298	-57·834	1·00	...	...
...	54·589	-27·906	-5	...	...	*	...	14·434	-14·900	1·70	47·9995	9·2	...	33·721	-48·481	0·75	...	...
S *	-53·443	-33·263	1·15	47·9987	9·6	*	...	-14·175	-16·447	1·80	47·9996	9·0	...	+34·042	+2·988	-5	...	...
...	53·105	-59·617	-5	...	...	...	...	11·306	+49·846	0·65	...	...	...	34·339	-4·469	0·80	...	...
*	52·926	-23·353	1·35	47·9988	9·4	...	...	10·292	+37·232	0·70	...	...	...	35·483	+47·744	2·10	46·10553	8·4
...	52·595	+35·905	-4	...	...	...	...	9·453	-35·118	1·05	47·9997	9·9	...	36·394	-47·766	-4	...	...
...	52·284	-22·624	-5	...	...	...	...	9·306	-7·515	0·65	...	...	...	38·445	-1·902	1·00	47·10008	9·8
II	-52·138	-19·817	-5	...	...	...	71	...	...	...	...	...	...	131	...	...	...	...
*	52·097	+7·578	1·15	47·9989	9·6	...	S *	-7·783	+47·603	1·40	46·10542	9·4	...	+39·247	+26·488	-2	...	...
...	51·515	+19·515	0·85	...	...	...	SN*	6·473	+33·415	2·90	46·10543	7·4	...	40·376	+16·596	0·85	...	...
...	51·315	+23·849	-5	...	...	...	*	6·003	+46·230	1·20	46·10544	9·8	...	41·123	+29·532	1·05	46·10555	9·8
*	51·054	+21·266	1·30	46·10537	9·2	...	...	5·846	+37·005	-5	...	...	...	41·151	+53·792	-4	...	...
...	50·575	+50·121	-5	...	...	...	...	4·464	+30·600	-4	...	...	...	41·158	-25·941	0·70	...	...
...	50·504	+32·766	-3	...	...	...	...	3·823	+42·674	-4	...	...	*	+43·077	-14·273	1·90	47·10009	8·6
...	49·453	+40·893	0·90	...	...	...	...	2·133	+48·924	-5	...	...	...	45·041	+20·675	0·75	...	...
...	49·081	-6·867	0·80	...	...	...	...	1·198	+46·760	0·75	...	...	...	45·174	-16·432	-4	...	...
...	48·753	+14·018	-5	...	...	...	...	0·525	+56·830	0·90	...	...	...	45·343	+45·544	0·65	...	...
21	-48·744	+42·112	0·90	...	...	...	...	0·176	-1·545	-4	m	...	...	45·762	+2·177	1·00	47·10010	9·9
...	47·291	+26·344	0·75	...	...	...	S *	+3·607	-57·329	1·45	48·10901	9·4	...	+46·062	+43·516	1·00	...	...
...	45·938	-1·537	0·70	...	...	...	...	4·075	+21·088	-5	...	...	...	47·500	-16·602	-4	...	...
S *	44·139	+51·507	1·40	46·10538	9·6	...	...	4·417	-36·538	0·80	...	...	...	48·111	-21·572	-2	...	...
*	43·744	-27·780	1·00	47·9990	9·9	*	...	4·576	+6·256	-5	...	...	...	49·644	-37·067	-4	...	...
...	43·664	+31·879	-3	...	...	*	+	6·903	+45·451	1·15	46·10545	9·9	*	49·812	+37·703	1·20	46·10557	9·7
E	42·939	-0·203	0·90	47·9991	9·9	...	...	7·477	-33·028	1·15	47·9998	9·8	*	+50·207	-21·698	1·15	47·10011	9·6
...	42·904	-5·826	-5	...	...	...	...	7·499	+50·134	-5	...	...	...	50·317	-16·945	1·50	47·10012	9·2
...	42·700	-41·936	-4	...	...	...	...	7·558	+57·032	-5	...	...	...	51·106	+35·683	-4	...	...
...	42·466	+45·511	-3	...	...	*	...	7·558	-59·027	-3	...	...	S *	52·144	-29·834	2·00	47·10013	8·4
31	-42·257	-29·248	1·20	47·9992	9·4	*	91	8·112	-10·676	1·15	47·9999	9·7	...	52·292	-22·274	0·80	...	...
S *	41·023	+18·021	1·75	46·10539	8·8	*	...	9·608	+26·088	1·00	46·10546	9·9	...	151	...	...	...	...
...	40·631	+16·475	-5	...	...	*	...	11·646	-44·806	-4	...	...	*	53·287	+50·163	1·40	46·10559	9·6
...	39·313	+24·519	0·90	...	...	*	...	12·535	-30·665	1·00	47·10000	9·9	*	54·398	-52·137	1·70	47·10014	9·2
...	38·725	+22·229	-5	...	...	S *	...	14·302	-4·846	-5	...	...	...	54·928	-36·228	-2	...	...
...	-38·555	+20·887	0·80	...	...	+	...	14·552	-16·473	2·90	47·10001	7·6	*	56·737	+17·012	1·40	46·10560	9·4
...	38·290	+32·972	-5	...	...	*	...	14·663	-0·569	0·70	...	...	...	+59·196	-2·773	0·70	...	...
...	37·926	-32·456	-5	A	...	*	...	15·044	+55·695	2·50	46·10547	7·7	*	59·249	+2·780	1·80	47·10015	8·8
...	36·493	-1·096	-3	...	...	*	...	15·146	+49·768	1·05	46·10548	9·8	...	...	...	...	...
...	35·591	-24·145	-5	...	...	*	...	15·200	-43·267	0·90	47·10002	9·9	...	...	...	...	...
41	-35·467	+38·546	-4	...	...	*	101	15·856	+32·680	0·75	...	...	...	...	...	...	...
...	35·438	+23·053	-5	...	...	*	...	16·245	+17·325	1·75	46·10549	8·8	...	...	...	...	...
*	35·084	-38·821	1·20	47·9993	9·8	...	...	16·932	+6·156	-5	...	...	...	...	...	...	...
*	34·985	+31·470	1·00	46·10540	9·9	...	...	17·370	-19·634	0·80	...	...	...	...	...	...	...
...	34·786	-31·314	-4	...	...	...	...	18·059	-45·045	-5	...	...	...	...	...	...	...
...	-34·401	+57·483	-1	...	...	*	...	19·626	+50·427	1·80	46·10550	9·0	...	...	...	...	...
...	34·199	+58·114	0·80	...	...	*	...	19·862	-56·402	-5	...	...	...	...	...	...	...
...	33·638	-53·618	0·95	48·10886	10·2	...	N *	20·435	-0·832	-2	...	...	...	...	...	...	...
...	33·618	-17·588	0·90	...	...	*	...	20·878	+27·494	1·50	d	...	...	...	...	...	...
...	32·549	+25·407	-2	...	...	*	...	22·430	+43·249	-5	...	...	...	...	...	...	...
51	-31·141	+32·531	1·10	46·10541	9·7	+	III	+23·093	-20·379	1·60	47·10004	9·2	...	...	...	...	...
...	28·731	-31·760	-3	...	...	*	...	24·290	+6·141	--4	...	...	...	...	...	...	...
...	25·608	-37·614	0·70	...	...	*	...	25·103	+54·024	2·00	46·10552	8·4	...	...	...	...	...
...	25·583	+22·813	-3	...	...	*	...	25·655	-53·309	-5	...	...	...	...	...	...	...
†	25·143	+24·278	0·80	...	...	*	...	26·316	+26·020	-4	...	...	...	...	...	...	...
...	-23·767	-45·682	0·70	...	...	*	...	+28·381	-27·893	1·10	47·10005	9·7	...	...	...	...	...
...	21·883	+23·013	0·80	...	.	*	...	28·872	-0·047	1·00	47·10006	9·9	...	...	...	...	...
...	20·447	-24·946	-4	...	...	*	...	29·120	-51·305	1·25	47·10007	8·6	...	...	...	...	...
...	20·124	-22·899	-3	...	...	*	...	29·124	-51·195	1·30	...	...	...	...	...	...	...
S *	19·972	-15·929	2·70	47·9994	7·9	...	...	30·258	+26·130	-5	...	...	...	...	...	...	...

ES measured from 1, 80.
MB " " 52, 120.

72. Remeasure 1915, $x = 6\cdot488$.
109. Var. L = 8·5 - 12·0.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	M		
1-60										61-120									
I	-58.766	-14.510	1.80	47.10009	8.6	61	-18.161	-4.829	-5	...	...	121	+34.094	-36.917	-3	...	...
*	58.454	+45.344	-3	...	...	...	16.656	+3.083	-5	A	...	...	34.888	+50.226	-3	...	...
...	57.943	+20.470	0.70	...	...	...	16.148	+28.788	-3	...	...	...	35.707	+31.171	1.10	46.10578	9.4
...	57.676	+43.334	0.95	...	...	...	15.836	-29.318	-2	...	...	...	37.087	+3.689	-2	...	...
...	56.845	-27.459	-5	...	...	...	15.775	+23.747	0.65	...	...	...	37.156	-22.764	-2	...	...
...	-56.630	+2.003	0.90	47.10010	9.9	SN†	-15.006	+50.045	2.85	46.10570	7.2	S *	+37.310	+58.839	2.70	46.10579	7.6		
...	56.616	-16.614	-3	...	...	...	14.578	-37.052	-4	...	...	...	38.475	+14.629	-5	...	...
...	54.297	-16.716	-4	...	...	...	13.419	-48.574	-4	...	...	...	39.238	-38.607	0.65	...	...
*	53.718	+37.655	1.10	46.10557	9.7	...	13.375	+50.179	-4	...	...	...	39.530	+17.929	-3	...	...
...	53.519	-21.654	-2	...	...	...	12.927	+7.354	-5	...	...	...	40.066	+11.082	-3	...	...
II	-52.366	+35.666	-2	...	...	71	-12.503	-49.065	0.70	47.10021	9.9	...	+40.103	+36.242	-5	...	...
...	52.200	-18.401	-4	...	...	...	11.315	+14.217	-4	...	...	...	42.101	-25.576	-4	...	...
...	51.492	-37.093	-4	...	...	...	10.372	+16.134	-5	...	...	...	43.566	-14.356	-2	...	...
*	51.455	-16.958	1.10	47.10012	9.2	...	10.188	+43.059	-3	...	...	...	44.013	+34.441	-5	...	...
*	51.423	-21.719	1.00	47.10011	9.6	...	9.703	-36.335	-3	...	...	S *	46.266	-54.246	1.40	48.10948	8.8
*	-50.637	+50.224	1.00	46.10559	9.6	α *	-9.499	+0.409	1.70	47.10022	8.5	...	+48.231	+48.077	0.80	46.10580	9.8		
...	49.332	-22.229	-1	...	...	...	9.441	+44.094	1.10	46.10572	9.6	...	48.443	+4.224	-5	...	...
S *	49.227	-29.779	1.80	47.10013	8.4	...	9.228	-11.575	5.00	47.10023	6.6	...	48.524	+13.913	-5	...	...
...	48.639	+56.199	-5	...	...	...	9.095	-59.122	-4	...	...	...	48.731	-0.186	-3	e	...
...	47.234	-4.991	-5	...	...	...	8.913	-3.535	-5	A	...	...	48.944	+25.116	-4	...	...
2I	-46.247	-52.001	1.30	47.10014	9.2	81	-8.860	-56.970	-5	...	...	...	+49.956	-4.544	-3	...	...
...	46.244	-36.088	0.65	...	...	...	8.619	+51.840	-5	...	...	...	52.341	+53.954	-4	...	...
*	46.150	+17.189	1.10	46.10560	9.4	*	7.633	+7.183	1.25	47.10024	8.8	...	52.894	-28.679	0.65	47.10035	9.9		
*	43.165	+3.043	1.40	47.10015	8.8	...	7.487	+35.904	-3	...	...	...	55.058	-11.733	-5	...	...
...	43.045	-2.516	0.70	...	...	S †	6.382	-10.162	1.05	47.10025	9.2	...	55.369	+50.646	-5	...	...
*	-41.650	+55.480	1.30	46.10561	9.2	...	3.930	-23.663	-5	...	...	...	+55.394	-52.704	-5	...	...
†	40.971	+44.743	-4	...	...	S *	3.739	-52.832	2.80	48.10929	7.2	...	56.481	-21.540	-2	...	...
...	40.413	-41.440	0.75	...	...	*	2.420	-57.934	1.00	48.10930	9.6	...	56.507	-16.392	-5	...	...
...	40.140	+33.099	-4	...	...	...	2.302	+24.113	-5	...	...	S *	57.358	+32.537	1.95	46.10581	8.4
*	37.921	+20.658	0.95	46.10562	9.8	...	0.682	-14.185	-5	...	...	...	57.592	-13.252	-5	e	...
3I	-37.681	+49.382	0.65	...	...	91	+0.336	-46.712	0.80	47.10026	9.9	...	+57.957	+20.661	-2	...	...
...	37.673	+29.468	-5	...	...	...	1.360	-10.502	-5	...	...	*	58.841	-3.176	0.90	47.10036	9.8
...	37.100	-50.309	-2	...	...	...	1.621	+7.672	-5	...	...	...	59.461	-19.243	-4	...	...
*	36.102	-59.476	1.40	48.10918	9.0	...	3.162	+18.156	0.85	...	...	...	...	...	...	...	...
S *	33.393	-41.256	0.80	...	...	...	3.579	+40.636	-5	...	...	...	...	...	...	...	...
*	-32.659	+58.411	1.70	46.10563	9.0	...	5.459	-19.705	-3	...	...	...	...	...	...	...	...
...	32.020	-8.309	2.20	47.10016	8.2	...	7.255	+10.397	0.80	46.10573	9.9	...	...	...	...	...	...
...	31.993	-43.521	0.70	...	...	...	7.505	-13.869	0.75	...	...	...	...	...	...	...	...
...	31.800	+36.644	0.75	...	...	...	8.161	-28.645	0.70	...	...	...	...	...	...	...	...
...	31.647	+50.748	0.65	...	...	...	11.183	-49.966	0.90	47.10027	9.9	...	...	...	...	...	...
4I	-31.233	+11.407	-4	...	...	101	+13.595	+31.027	0.90	46.10574	9.8	...	...	...	...	...	...
...	30.847	-12.324	0.80	47.10017	9.9	...	15.278	+11.824	0.85	...	...	...	...	...	...	...	...
S *	29.402	+9.205	1.60	46.10564	8.8	...	15.310	+52.369	-5	...	...	...	...	...	...	...	...
...	27.741	-39.774	-4	...	...	...	19.476	+44.315	0.85	...	...	...	...	...	...	...	...
*	27.303	+35.233	1.00	46.10565	9.7	...	19.554	+7.659	0.90	47.10028	9.9	...	...	...	...	...	...
*	-26.366	+57.148	5.90	46.10567	4.9	...	+20.461	-31.196	0.70	...	...	...	...	...	...	...	...
*	26.359	+52.559	1.80	46.10566	8.5	...	20.983	+42.711	0.95	46.10575	9.8	...	...	...	...	...	...
...	26.262	+13.550	0.80	...	...	*	22.733	+3.862	1.10	47.10029	9.0	...	...	...	...	...	...
...	23.461	+16.510	-3	...	...	...	23.056	-54.737	-4	...	...	...	...	...	...	...	...
...	23.094	-55.610	-5	...	...	...	24.065	+1.229	-5	...	...	...	...	...	...	...	...
5I	-22.768	+44.796	0.70	46.10568	9.9	III	+25.632	-10.048	1.10	47.10030	9.2	...	...	...	...	...	...
...	22.397	+14.517	-5	...	...	...	28.054	+7.221	0.70	...	...	...	...	...	...	...	...
*	22.288	-41.923	1.00	47.10018	9.6	S *	28.483	+7.831	3.50	47.10031	6.7	...	...	...	...	...	...
...	21.974	-36.257	-4	...	...	...	29.743	-18.690	1.00	47.10032	9.6	...	...	...	...	...	...
*	21.909	+13.911	1.15	46.10569	9.4	S *	30.198	-37.841	1.05	47.10033	9.2	...	...	...	...	...	...
...	-20.350	+47.424	-2	...	...	...	+30.941	-26.476	-2	...	...	...	...	...	...	...	...
*	19.796	-2.334	1.05	47.10019	9.6	...	32.269	+44.774	-5	...	...	...	...	...	...	...	...
...	19.390	-40.538	-4	...	...	...	32.299	-46.437	0.75	47.10034	9.9	...	...	...	...	...	...
...	18.462	-50.475	-3	...	...	*	33.354	+41.830	1.25	46.10577	9.2	...	...	...	...	...	...
*	18.422	+2.933	1.25	47.10020	9.2	...	33.781	-44.891	-5	a	...	...	...	...	...	...	...

MB measured from 1, 91.
ES 49, 115.

66. Remeasure 1915. x = 15°019.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
1-60									61-120								
I	-59·408	-25·849	-3	o	...	61	-17·285	+28·147	1·15	46.10586	9·4	I2I	+36·913	-28·802	0·80	47.10051	10·2
...	58·301	-14·587	-2	...	...	...	15·951	+13·550	-4	...	...	8*	37·163	-23·426	1·40	47.10052	9·0
...	55·637	+47·949	0·90	46.10580	9·8	...	15·796	+33·689	0·70	...	...	...	37·320	+23·125	1·35	46.10598	9·0
S*	54·331	-54·376	1·70	48.10948	8·8	...	14·207	+48·868	-5	...	...	...	37·566	+4·888	-2	...	...
...	54·248	+13·819	-4	...	...	S*	13·586	-23·929	2·80	47.10041	7·7	...	37·920	+28·138	-3	...	...
...	-54·195	+25·021	-4	...	...	...	-12·771	-16·308	0·65	47.10042	9·9	*	+39·421	+0·244	0·95	47.10053	9·8
...	54·031	+4·126	-5	...	...	*	12·620	-9·429	1·25	47.10043	9·2	...	39·811	+19·988	-3	...	...
...	53·603	-0·259	-3	E	...	S+	10·125	-40·965	2·00	47.10044	8·2	...	40·236	-55·561	-1	...	...
...	52·228	-4·575	-3	...	...	...	9·881	+46·555	0·75	46.10588	9·9	...	40·974	+26·961	0·80	46.10599	10·2
...	51·693	+53·961	-3	...	...	*	9·088	+35·926	1·10	46.10589	9·4	...	41·207	-5·926	-5	...	...
II	-48·561	+50·731	-5	...	...	71	-9·077	-33·361	-3	...	...	13I	+42·100	-1·461	-2	...	...
...	48·530	-28·602	0·65	47.10035	9·9	S*	6·570	+37·080	1·00	46.10590	9·6	...	44·009	-34·143	-4	...	...
...	46·895	-11·609	-4	...	...	...	6·542	+2·508	-5	...	...	...	44·317	+30·162	-4	...	...
S*	45·996	+32·711	1·90	46.10581	8·4	*	4·059	+20·653	0·95	46.10591	9·7	...	44·368	-23·996	-5	...	...
...	45·261	-52·527	-5	...	...	...	1·855	-46·743	-3	...	...	...	44·669	+40·145	0·85	46.10600	10·2
...	-45·169	-21·354	-2	...	...	†	-0·158	-32·725	0·75	47.10045	9·8	...	+44·868	-46·400	-5	a	...
†	45·035	+20·855	-2	...	...	+	1·569	+1·402	-3	...	...	*	45·103	+20·973	1·20	46.10601	9·2
...	44·326	-13·037	-5	E	...	...	3·058	-29·948	-3	...	...	...	45·139	-11·769	-3	...	...
*	43·393	-2·928	0·80	47.10036	9·8	S*	3·424	-56·023	3·30	48.10967	7·0	S*	45·351	+31·338	1·55	46.10602	8·6
...	42·272	-18·972	-4	...	...	*	3·982	+29·563	1·05	46.10592	9·6	*	46·419	-30·525	0·90	47.10054	10·0
2I	-40·964	+45·501	-5	...	...	81	-5·858	-47·539	-5	...	...	14I	+46·520	-12·480	-3	...	...
*	39·847	+6·578	1·25	47.10037	9·2	...	7·017	+8·677	-5	...	...	...	46·993	-35·303	-5	a	...
...	38·394	-23·527	-2	...	...	...	8·723	+41·037	-5	...	...	...	47·061	-4·258	-5	a	...
...	38·295	+38·775	-2	...	...	...	9·215	-41·999	-5	M	...	...	47·193	-28·695	0·75	47.10055	10·2
...	38·139	-38·490	-5	A	...	...	10·335	-8·968	-5	...	...	...	48·034	-45·392	-5	a	...
...	-38·109	-41·825	0·75	47.10038	9·9	*	+10·608	+44·624	1·10	46.10593	9·4	...	+48·450	+30·098	-5	...	...
...	36·488	-22·777	-3	...	...	...	11·408	+24·559	0·80	46.10594	9·9	...	48·810	+34·476	-5	...	...
...	35·585	+29·511	-4	...	...	...	11·543	+15·316	--4	...	...	*	48·847	-15·057	1·30	47.10056	9·2
...	35·100	+52·031	-3	...	...	...	12·467	-31·063	-2	...	...	...	50·612	+3·683	0·80	47.10057	10·0
...	35·097	+38·030	-4	...	...	...	12·572	-31·645	-5	...	...	...	50·819	+38·807	-5	...	...
3I	-34·676	-56·459	-5	...	...	91	-12·901	-29·803	0·85	47.10046	9·7	15I	+50·950	-3·923	1·10	47.10058	9·2
...	34·610	-55·425	-1	48.10955	10·2	...	13·120	-59·302	-2	...	...	...	53·667	-34·823	-5	a	...
...	34·345	-20·438	-5	...	...	...	14·641	+8·490	-5	...	...	S*	53·966	-33·178	1·05	47.10059	9·4
...	34·076	+3·869	-4	...	...	*	16·049	+7·405	1·20	47.10047	9·2	...	54·086	-22·616	-3	...	...
...	33·952	-36·379	-3	...	...	...	16·567	-36·812	0·70	47.10048	9·9	...	56·286	-52·907	-5	...	...
...	-33·625	-43·459	-2	...	...	...	+16·647	-54·102	-5	...	...	...	+56·392	-37·070	-2	...	...
...	32·564	+37·685	-4	...	...	*	18·815	+53·803	1·70	46.10595	8·8	...	58·469	+28·519	-5	...	...
...	30·951	-43·508	-4	...	...	...	19·552	-24·722	-5	...	...	...	58·705	-32·589	-5	...	...
...	30·648	-16·150	-5	B	...	...	20·337	+38·617	-5	...	...	+	59·471	-30·124	1·00	47.10061	9·8
S*	30·646	-16·251	1·30	47.10039	9·0	...	20·848	-13·927	-3	...	...	...	...	...	...	...	...
4I	-30·521	+6·716	-5	...	...	101	-21·202	+51·005	-2	...	...	...	...	...	...	...	...
...	29·487	+50·914	-3	...	...	...	21·279	-32·632	-5	b	...	...	...	...	...	...	...
...	28·708	+30·623	-4	...	...	S*	21·556	+18·877	1·70	46.10596	8·8	...	...	...	...	...	...
...	27·440	-33·907	-3	...	...	...	22·205	-40·512	-2	...	...	...	...	...	...	...	...
*	27·182	+40·424	1·25	46.10583	9·2	...	24·124	-20·369	0·75	...	...	...	...	...	...	...	...
*	-25·698	-52·977	1·25	48.10959	9·4	...	+25·552	-19·277	-4	...	...	...	...	...	...	...	...
*	25·172	-1·527	1·10	47.10040	9·4	...	27·064	+42·324	-3	...	...	...	...	...	...	...	...
...	25·164	+3·067	-5	...	...	...	27·095	+25·660	-3	...	...	...	...	...	...	...	...
...	24·179	-31·450	-2	...	...	...	27·296	-3·099	0·80	47.10049	9·8	...	...	...	...	...	...
...	23·999	+26·116	-4	...	...	...	27·944	-34·260	-3	...	...	...	...	...	...	...	...
5I	-22·800	-31·049	-2	...	...	111	+28·200	-4·279	1·60	47.10050	8·8	...	...	...	...	...	...
...	22·491	-48·740	-5	...	...	...	29·802	+7·144	-4	...	...	...	...	...	...	...	...
...	21·196	-3·096	-5	...	...	...	30·111	-3·593	-3	...	...	...	...	...	...	...	...
...	19·013	+2·882	-3	...	...	...	30·821	-43·914	-3	...	...	...	...	...	...	...	...
...	18·995	+11·878	-5	...	...	...	31·467	-6·747	-3	...	...	...	...	...	...	...	...
...	-18·911	+5·822	-3	...	...	...	+32·150	-35·842	-5	...	...	...	...	...	...	...	...
*	18·185	+39·978	0·85	46.10585	9·6	†	33·373	-15·141	-4	...	...	...	...	...	...	...	...
*	18·068	+36·460	1·15	46.10584	9·2	...	35·249	-41·102	-3	...	...	...	...	...	...	...	...
...	17·662	+44·327	-4	...	...	...	36·027	-40·728	-5	a	...	...	...	...	...	...	...
...	17·585	+4·791	-5	...	...	...	36·814	-18·923	-5	...	...	...	...	...	...	...	...

ES measured from 1, 106.

HT " " 94, 149.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-4	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
1-60						61-120						121-137					
1	-58·940	+39·909	0·80	46·10600	10·2	61	-19·049	-34·944	-4	...	...	121	+41·349	+42·685	0·75	46·10619	10·2
S*	57·969	+31·141	1·40	46·10602	8·6	...	18·198	-48·206	0·75	47·10069	10·0	...	41·975	-0·100	-5	z	...
*	57·883	+20·766	1·20	46·10601	9·2	...	17·402	-22·584	-3	...	...	...	42·514	+51·133	-5	...	...
...	57·240	-34·360	-4	...	...	...	17·184	+19·203	-3	...	...	...	43·106	-37·853	1·05	47·10077	9·4
...	57·194	-24·192	-5	...	...	...	16·831	-50·689	-3	...	...	...	44·090	-12·434	-4	...	...
...	-56·811	-11·952	-3	...	...	...	-16·720	+27·722	-4	...	...	...	+45·351	+23·737	-5	e	...
...	55·410	-12·615	-3	...	...	...	15·387	-36·094	-5	...	...	...	46·388	+26·454	-2	...	...
*	54·935	-30·656	0·90	47·10054	10·0	...	15·051	-6·554	-3	...	...	...	46·542	+14·750	0·80	46·10621	9·8
...	54·838	+29·988	-5	...	...	...	12·791	+40·785	-3	...	...	...	47·892	-9·305	0·90	47·10078	9·8
...	54·624	+34·382	-5	...	...	...	12·713	+16·598	-4	...	...	...	48·283	+23·459	-4	e	...
11	-54·302	+32·265	-5	...	...	71	-11·814	-41·825	-3	...	...	131	+49·103	+34·579	-3	...	...
...	54·216	-28·804	0·80	47·10055	10·2	...	10·683	-43·628	-5	...	...	...	51·182	+33·829	-4	...	...
...	53·618	-22·053	-5	...	...	...	10·435	+52·810	-3	...	...	...	52·083	+30·937	-5	e	...
*	52·998	-15·116	1·25	47·10056	9·2	+	10·328	+18·876	1·40	46·10610	8·5	...	52·151	+16·732	-5	e	...
...	52·743	+38·766	-4	...	...	...	7·620	-47·874	-2	...	...	...	53·222	+39·040	1·20	46·10623	8·8
*	-51·837	+3·680	0·85	47·10057	10·0	...	-7·517	-40·548	-3	...	...	...	53·370	+24·559	-5	e	...
*	51·246	-3·928	1·25	47·10058	9·2	...	5·987	+20·870	-3	m	...	...	55·115	-13·404	-2	...	...
...	47·523	-22·504	-4	...	...	...	4·851	+9·568	-4	m	...	...			
S*	47·302	-33·069	1·00	47·10059	9·4	...	4·497	-1·204	-3	...	...	...		
...	44·774	+28·738	-5	...	...	S*	4·459	-51·658	1·00	48·10990	9·6	...					
21	-44·754	-36·882	-3	...	...	81	-4·298	-6·814	0·70	47·10070	10·2	...					
...	44·360	-52·715	-5	...	...	S†	3·241	-35·239	0·95	47·10071	9·6	...					
...	43·564	+43·304	-3	...	...	...	1·954	-13·723	-5	...	...	...		
...	43·281	+57·888	-4	...	...	S*	1·250	+40·861	1·15	46·10611	9·0	...					
*	42·947	+26·947	1·15	46·10603	8·8	...	1·139	+8·743	-3	...	...	...		
*	-42·294	-0·873	1·10	47·10060	9·4	...	0·227	+48·419	-5	m	...	...			
*	41·888	-29·834	0·90	47·10061	9·8	...	+0·426	+4·501	-5	m	...	...			
...	41·418	-57·705	-5	...	...	...	0·649	-46·429	-5	...	...	...		
...	40·697	-25·359	-2	...	...	...	0·901	+55·417	0·75	...	...	...		
...	39·800	-45·315	0·85	47·10062	10·2	...	1·125	+51·275	0·65	...	...	...		
31	-39·731	+29·142	-5	...	...	91	+1·426	+54·216	0·70	46·10612	10·2	...					
*	39·637	-40·442	0·95	47·10063	9·8	*	2·779	-44·202	1·00	47·10072	9·2	...					
S*	39·241	-7·842	1·65	47·10064	8·5	...	3·029	-35·500	0·70	47·10073	10·2	...					
...	38·272	-2·873	-5	...	...	...	3·513	-42·315	-2	...	...	...		
...	37·091	-57·593	-3	...	...	...	4·056	+22·562	-2	46·10613	10·2	...					
...	-36·855	+42·417	-3	...	...	...	+8·569	-29·392	-4	...	...	...		
...	36·607	-7·797	-2	...	...	...	8·853	+53·735	-4	...	...	...		
...	36·445	+28·811	-3	...	...	...	8·881	-56·573	0·70	48·10994	10·2	...					
...	36·045	+19·123	-5	...	...	...	8·922	-16·539	0·70	47·10074	10·2	...					
*	35·870	+59·181	0·95	46·10604	10·2	...	10·121	-11·345	-4	...	...	...		
41	-34·921	-13·627	0·80	47·10066	10·0	...	+12·909	-37·480	-2	...	...	...		
...	34·854	+41·779	0·75	46·10605	10·2	...	13·422	+48·783	-4	d	...	...			
...	34·833	-7·483	-5	...	...	...	14·837	+30·782	-2	...	...	...		
*	34·784	-44·183	1·15	47·10065	9·2	...	16·103	+21·815	-5	m	...	...			
...	32·437	+15·721	-5	...	...	...	16·603	-55·949	-4	...	...	...		
...	-31·794	-28·330	-5	...	...	...	+17·253	+23·314	-5	m	...	...			
...	30·656	-11·730	0·65	...	...	...	20·285	+40·413	0·80	46·10616	10·2	...					
S*	29·611	+46·441	-5	...	...	...	22·597	+57·089	-5	m	...	...			
...	29·512	+19·796	2·50	46·10606	7·2	*	24·300	+1·229	1·00	47·10075	9·6	...					
...	28·155	+47·276	-5	...	...	...	28·532	+54·144	-3	...	...	...		
51	S*	-28·141	+49·924	1·20	46·10607	8·8	†	+29·960	-55·112	-3	...	...			
...	27·677	-49·840	-5	...	...	...	31·299	+22·810	-3	...	...	...		
...	25·716	+7·867	-3	...	...	...	32·024	+38·564	-4	a	...	...			
...	25·566	+37·861	-4	...	...	...	32·695	+8·050	-5	m	...	...			
*	25·417	+38·928	0·85	46·10609	10·0	*	33·644	-23·454	0·90	47·10076	9·8	...					
*	-24·613	-37·080	0·85	47·10067	9·8	...	+35·792	+12·394	-4	...	...	...		
...	24·589	-11·251	-4	...	...	...	35·967	+9·160	-3	...	...	...		
...	23·144	-19·480	0·75	47·10068	10·2	...	36·364	+51·394	-3	...	...	...		
...	22·991	-56·929	-4	...	...	...	39·512	+25·824	-3	...	...	...		
...	20·046	-8·781	-5	...	...	...	39·520	-48·499	-2	...	...	...		

ES measured from 1, 60, 110.
HT " " 48, 100, 132.

STORAGE

